This listing of claims will replace all prior versions, and listings of claims in the application:

Amendments to the Claims:

Please cancel claims 12-13, 15-18 and 25-36 without prejudice and amend claims 3-11, 14, 19-20 and 23 to read as follows. All claims pending, including those unchanged by the present amendment, are reproduced below for the convenience of the Examiner.

1. (Original) A compound of the formula (I):

A-Q-D-E-G-J-X

wherein:

A is selected from the group consisting of:

$-C_{1-6}$alkyl and $-C_{3-8}$cycloalkyl;

phenyl, which is substituted with 0-2 R^1 groups;

naphthyl, which is substituted with 0-2 R^1 groups; and

a 3-10 membered aromatic or non-aromatic heterocyclic ring system which may be a monocyclic ring system or a fused bicyclic ring system, wherein the heterocyclic ring system contains 1-4 heteroatoms selected from N, O and S and is substituted with 0-2 R^1 groups;

R^1 is independently selected from the group consisting of:

Halo, -CN, $-C(=O)-N(R^2, R^3)$, $-NO_2$, $-SO_2N(R^2, R^3)$, $-SO_2R^2$, $-(CH_2)_mNR^2R^3$, $-(CH_2)_m-C(=NR^3)-R^2$, $-(CH_2)_m-C(=NR^2)-N(R^2,R^3)$, $-(CH_2)_m-N(R^2)-C(=NR^2)-N(R^2,R^3)$, $-(CH_2)_mNR^2-C_{3-6}$heterocyclics, C_{1-4}alkyl, C_{2-6}alkenyl, C_{2-6}alkynyl, C_{3-8}cycloalkyl, C_{0-4}alkylC_{3-8}cycloalkyl, $-CF_3$, $-OR^2$, and a 5-6 membered heterocyclic system containing

from 1-4 heteroatoms selected from N, O and S, wherein from 1-4 hydrogen atoms on the heterocyclic system may be independently replaced with a member selected from the group consisting of halo, C_1-C_4-alkyl, -CN C_{1-4}alkyl, C_{2-6}alkenyl, C_{2-6}alkynyl, C_{3-8}cycloalkyl, C_{0-4}alkylC_{3-8}cycloalkyl and -NO_2;

R^2 and R^3 are independently selected from the group consisting of:

-H, -C_{1-6}alkyl, -C_{1-6}alkyloxy, -C_{2-6}alkenyl, -C_{2-6}alkynyl, -C_{3-8}cycloalkyl, -C_{0-6}alkylC_{3-8}cycloalkyl and -C_{0-6}alkyl-(carbocyclic aryl), wherein from 0-4 hydrogen atoms on the ring atoms of the carbocyclic aryl moiety may be independently replaced with a member selected from the group consisting of halo, -C_{1-4}alkyl, -C_{2-6}alkenyl, -C_{2-6}alkynyl, -C_{3-8}cycloalkyl, -C_{0-4}alkylC_{3-8}cycloalkyl, -$S(=O)_2$-OH, -CN, -CF_3 and -NO_2;

m is an integer of 0-2;

Q is selected from the group consisting of:

a direct link, divalent -C_{1-4}alkyl, divalent -C_{2-4}alkenyl, divalent -C_{2-4}alkynyl, -C(=O)-, -C(=NH)-, -C(=NMe)-, -NH-C(=NH)-, -NH-C(=NMe)-, -N(-R^4)-, -N(-R^4)-CH_2-, -C(=O)-N(-R^4)-, -N(-R^4)-C(=O)-, -$S(=O)_2$-, -O-, -$S(=O)_2$-N(-R^4)- and –N(-R^4)-$S(=O)_2$-, wherein one or more hydrogens on each of the divalent C_{1-4}alkyl, divalent C_{2-4}alkenyl and divalent C_{2-4}alkynyl moieties can be replaced with a -R^4 group;

R^4 is selected from the group consisting of:

-H, -C_{1-6}alkyl, -C_{1-6}alkyloxy, -C_{2-6}alkenyl, -C_{2-6}alkynyl, -C_{3-8}cycloalkyl, -C_{0-6}alkylC_{3-8}cycloalkyl and -C_{0-6}alkyl-(carbocyclic aryl), wherein from 0-4 hydrogen atoms on the ring atoms of the carbocyclic aryl moiety may be independently replaced with a member selected from the group consisting of halo, -C_{1-4}alkyl, -C_{2-6}alkenyl, -C_{2-6}alkynyl, -C_{3-8}cycloalkyl, -C_{0-4}alkylC_{3-8}cycloalkyl, -$S(=O)_2$-OH, -CN, -CF_3 and -NO_2;

D is selected from the group consisting of:

a direct link;

phenyl, which is substituted with 0-2 R^{1a} groups; and

a 5-10 membered aromatic or non-aromatic heterocyclic ring system which may be a monocyclic ring system or a fused bicyclic ring system, wherein the heterocyclic ring system contains 1-4 heteroatoms selected from N, O and S and the ring system is substituted with 0-2 R^{1a} groups;

R^{1a} is independently selected from the group consisting of:

halo, -C_{1-6}alkyl, -C_{1-6}alkyloxy, -C_{2-6}alkenyl, -C_{2-6}alkynyl, -C_{3-8}cycloalkyl, -C_{0-6}alkylC_{3-8}cycloalkyl, -$S(=O)_2$-OH, -CN, -NO_2, -$(CH_2)_n$-N(-R^{2a}, -R^{3a}), -$S(=O)_2$-N(-R^{2a}, -R^{3a}), -$S(=O)_2$-R^{2a}, -CF_3, -$(CH_2)_n$-OR^{2a}, -C(=O)-O-R^{2a}, -C(=O)-N(-R^{2a}, -R^{3a}), -C(=NH)-N(-R^{2a}, -R^{3a}), -C(=NMe)-N(-R^{2a}, -R^{3a}), 2-imidazolin-2-yl, 1-methyl-2-imidazolin-2-yl and a 5-6 membered aromatic heterocyclic ring containing 1-4 heteroatoms selected from N, O and S and -C_{0-6}alkyl-(carbocyclic aryl), wherein from 0-4 hydrogen atoms on the ring atoms of the aromatic heterocyclic ring and the carbocyclic aryl moiety may be independently replaced with a member selected from the group consisting of halo, -C_{1-4}alkyl, -C_{2-6}alkenyl, -C_{2-6}alkynyl, -C_{3-8}cycloalkyl, -C_{0-4}alkylC_{3-8}cycloalkyl, -CN, -CF_3 and -NO_2;

n is an integer of 0-2;

R^{2a} and R^{3a} are independently selected from the group consisting of:

-H, -C_{1-6}alkyl, -C_{1-6}alkyloxy, -C_{2-6}alkenyl, -C_{2-6}alkynyl, -C_{3-8}cycloalkyl, -C_{0-6}alkylC_{3-8}cycloalkyl and -C_{0-6}alkyl-(carbocyclic aryl), wherein from 0-4 hydrogen atoms on the ring atoms of the carbocyclic aryl moiety may be independently replaced

with a member selected from the group consisting of halo, -C_{1-4}alkyl, -C_{2-6}alkenyl, -C_{2-6}alkynyl, -C_{3-8}cycloalkyl, -C_{0-4}alkylC_{3-8}cycloalkyl, -$S(=O)_2$-OH, -CN, -CF_3 and -NO_2;

E is selected from the group consisting of:

a direct link, -$(CH_2)_q$-C(=O)-, -$(CH_2)_q$-N(-R^5)-C(=O)-$(CH_2)_x$-, -$(CH_2)_q$-C(=O)-N(-R^5)-$(CH_2)_x$-, -$(CH_2)_q$-N(-R^5)-$(CH_2)_x$-, , -$(CH_2)_q$-N(R^5)CO-N$R^6$$(CH_2)_x$ and -SO_2-;

q and x are independently an integer of 0-2;

R^5 and R^6 are independently selected from the group consisting of:

-H, -C_{1-6}alkyl, -C_{1-6}alkyloxy, -C_{2-6}alkenyl, -C_{2-6}alkynyl, -C_{3-8}cycloalkyl, -C_{0-6}alkylC_{3-8}cycloalkyl, -C_{1-4}alkyl-C(=O)-OH, -C_{0-6}alkyl-(carbocyclic aryl), -C_{0-4}alkyl-(monocyclic heteroaryl) and -C_{1-4}alkyl-C(=O)-O-C_{1-4}alkyl, wherein from 0-4 hydrogen atoms on the ring atoms of the carbocyclic aryl moiety and the monocyclic heteroaryl moieties may be independently replaced with a member selected from the group consisting of halo, -C_{1-4}alkyl, -C_{2-6}alkenyl, -C_{2-6}alkynyl, -C_{3-8}cycloalkyl, -C_{0-4}alkylC_{3-8}cycloalkyl, -$S(=O)_2$-OH, -CN, -CF_3 and -NO_2;

G is selected from the group consisting of:

phenyl, which is substituted with 0-2 R^{1b} groups; and

a 5-6 membered aromatic heterocyclic ring containing 1-4 hetero atoms selected from N, O and S wherein the heterocyclic ring is substituted with 0-2 R^{1b} groups;

R^{1b} is independently selected from the group consisting of:

halo, -C_{1-6}alkyl, -C_{2-6}alkenyl, -C_{2-6}alkynyl, -C_{3-8}cycloalkyl, -C_{0-6}alkylC_{3-8}cycloalkyl, -C_{1-4}alkyl-C(=O)-OH, -CN, -NO_2, -$S(=O)_2$-OH, -N(-R^{2b}, -R^{3b}), -C(=O)-N(-R^{2b}, -R^{3b}), -$S(=O)_2$-N(-R^{2b}, -R^{3b}),-$S(=O)_2$-R^{2b}, -CF_3, -O-R^{2b}, -O-CH_2-CH_2-O-R^{2b},

$-O-CH_2-C(=O)-O-R^{2b}$, $-N(-R^{2b})-CH_2-CH_2-O-R^{2b}$, $-N(-CH_2-CH_2-O-R^{2b})_2$, $-N(-R^{2b})-C(=O)-R^{3b}$, $-N(-R^{2b})-S(=O)_2-R^{3b}$, and a 5-6 membered heterocyclic ring containing 1-4 heteroatoms selected from N, O and S substituted with 0-4 $R^{1b'}$ groups;

alternatively, when two R^{1b} may be present on adjacent ring atoms of G and combine to form a benzene ring substituted with 0-4 $R^{1b'}$ groups or a 5-6 membered aromatic or non-aromatic heterocyclic ring having 1-3 heteroatoms selected from N, O and S substituted with 0-4 $R^{1b'}$ groups;

in a second alternative, one of the R^{1b} groups of G can cylize with the $-N-R^5$ group of E to form a 5-7 membered heterocyclic ring containing 1-4 heteroatoms selected from N, O and S, which is subtituted with 0-4 $R^{1b'}$ groups, wherein two of the $R^{1b'}$ groups attached to the same ring carbon may form a (=O) group;

R^{2b} and R^{3b} are independently selected from the group consisting of:

-H, $-C_{1-6}$alkyl, $-C_{1-6}$alkyloxy, $-C_{2-6}$alkenyl, $-C_{2-6}$alkynyl, $-C_{3-8}$cycloalkyl, $-C_{0-6}$alkylC_{3-8}cycloalkyl and $-C_{0-6}$alkyl-(carbocyclic aryl), wherein from 0-4 hydrogen atoms on the ring atoms of the carbocyclic aryl moiety may be independently replaced with a member selected from the group consisting of halo, $-C_{1-4}$alkyl, $-C_{2-6}$alkenyl, $-C_{2-6}$alkynyl, $-C_{3-8}$cycloalkyl, $-C_{0-4}$alkylC_{3-8}cycloalkyl, $-S(=O)_2-O^-$, -CN, $-CF_3$ and $-NO_2$;

$R^{1b'}$ is independently selected from the group consisting of:

halo, $-C_{1-6}$alkyl, $-C_{2-6}$alkenyl, $-C_{2-6}$alkynyl, $-C_{3-8}$cycloalkyl, $-C_{0-6}$alkylC_{3-8}cycloalkyl, $-C_{1-4}$alkyl-C(=O)-OH, -CN, $-NO_2$, $-S(=O)_2-OH$, $-N(-R^{2b'}, -R^{3b'})$, $-C(=O)-N(-R^{2b'}, -R^{3b'})$, $-S(=O)_2-N(-R^{2b'}, -R^{3b'})$, $-S(=O)_2-R^{2b'}$, $-CF_3$, $-O-R^{2b'}$, $-O-CH_2-CH_2-O-R^{2b'}$, $-O-CH_2-C(=O)-O-R^{2b'}$, $-N(-R^{2b'})-CH_2-CH_2-O-R^{2b'}$, $-N(-CH_2-CH_2-O-R^{2b'})_2$, $-N(-R^{2b'})-C(=O)-R^{3b'}$ and $-N(-R^{2b'})-S(=O)_2-R^{3b'}$;

$R^{2b'}$ and $R^{3b'}$ are independently selected from the group consisting of:

-H, -C_{1-6}alkyl, -C_{1-6}alkoxy, -C_{2-6}alkenyl, -C_{2-6}alkynyl, -C_{3-8}cycloalkyl, -C_{0-6}alkylC_{3-8}cycloalkyl and –C_{0-6}alkyl-(carbocyclic aryl), wherein from 0-4 hydrogen atoms on the ring atoms of the carbocyclic aryl moiety may be independently replaced with a member selected from the group consisting of halo, -C_{1-4}alkyl, -C_{2-6}alkenyl, -C_{2-6}alkynyl, -C_{3-8}cycloakyl, -C_{0-4}alkylC_{3-8}cycloalkyl, -$S(=O)_2$-OH, -CN, -CF3 and -NO_2;

J is selected from the group consisting of:

a direct link, -$S(=O)_2$-, -C(=O)-, -N(-R^7)-$S(=O)_2$-, -C(=O)-N(-R^7)-$S(=O)_2$-, -C(=O)-N(-R^7)-$(CH_2)_y$-, -$S(=O)_2$-N(-R^7) -$(CH_2)_y$-, and -N(-R^7)-C(=O)-$(CH_2)_y$-;

y is an integer of 0-2;

R^7 is selected from the group consisting of:

-H, -C_{2-4}alkyl, -C_{2-6}alkenyl, -C_{2-6}alkynyl, -C_{3-8}cycloalkyl, -C_{0-6}alkylC_{3-8}cycloalkyl, -C_{1-6}alkyl-C(=O)-OH, -C_{1-6}alkyl-OH, -C_{1-6}alkyl-O-C_{1-4}alkyl, -C_{0-4}alkyl-(carbocyclic aryl), -C_{0-4}alkyl-(monocyclic or bicyclic heterocyclic ring system having from 0-4 heteroatoms selected from the group consisting of N, O and S), -CH_2-C(=O)-O-C_{1-4}alkyl and -CH_2-C(=O)-O-C_{1-4}alkyl-(carbocyclic aryl), wherein from 0-4 hydrogen atoms on the ring atoms of the carbocyclic aryl moiety or the heterocyclic ring system may be independently replaced with a member selected from the group consisting of halo, -C_{1-4}alkyl, -C_{2-6}alkenyl, -C_{2-6}alkynyl, -C_{3-8}cycloalkyl, -C_{0-4}alkylC_{3-8}cycloalkyl, -$S(=O)_2$-OH, -CN, -CF_3 and -NO_2;

X is a member selected from the group consisting of:

phenyl, which is substituted with 0-3 R^{1c} groups;

naphthyl, which is substituted with 0-3 R^{1c} groups;

a 6-membered heteroaromatic ring containing from 1-2 nitrogen atoms, wherein the ring is substituted with 0-3 R^{1c} groups; and

a fused heterobicyclic ring system, wherein the ring system contains 1-3 heteroatoms selected from N, O and S and is substituted with 0-3 R^{1c} groups;

R^{1c} is independently selected from the group consisting of:

halo, $-CF_3$, $-C_{1-6}$alkyl, $-C_{2-6}$alkenyl, $-C_{2-6}$alkynyl, $-C_{3-8}$cycloalkyl, $-C_{0-6}$alkylC_{3-8}cycloalkyl, $-C_{1-4}$alkyl-C(=O)-OH, $-CF_3$, -CN, $-NO_2$, $-(CH_2)_z$-N(-R^{2c}, -R^{3c}), -C(=O)-N(-R^{2c}, -R^{3c}), -C(=NH)-N(-R^{2c}, -R^{3c}), -C(=NMe)-N(-R^{2c}, -R^{3c}), $-S(=O)_2$-N(-R^{2c}, -R^{3c}), $-S(=O)_2$-R^{2c}, $-S(=O)_2$-OH, $-CF_3$, -O-R^{2c}, $-O(-CH_2)_z$-O-R^{2c}, $-O(-CH_2)_z$-C(=O)-O-R^{2c}, -N(-R^{2c}), $-O(-CH_2)_z$-O-R^{2c}, $-N[(-CH_2)_z$-O-$R^{2c}]_2$, $-(CH_2)_z$-N(-R^{2c})-C(=O)-R^{3c}, $-(CH_2)_z$-N(-R^{2c})-$S(=O)_2$-R^{3c}, and a 5-6 membered heterocyclic ring containing 1-4 heteroatoms selected from N, O and S;

z is an integer of 0-4;

R^{2c} and R^{3c} are independently selected from the group consisting of:

-H, $-C_{1-6}$alkyl, $-C_{1-6}$alkyloxy, $-C_{2-6}$alkenyl, $-C_{2-6}$alkynyl, $-C_{3-8}$cycloalkyl, $-C_{0-6}$alkylC_{3-8}cycloalkyl and $-C_{0-6}$alkyl-(carbocyclic aryl), wherein from 0-4 hydrogen atoms on the ring atoms of the carbocyclic aryl moiety may be independently replaced with a member selected from the group consisting of halo, $-C_{1-4}$alkyl, $-C_{2-6}$alkenyl, $-C_{2-6}$alkynyl, $-C_{3-8}$cycloalkyl, $-C_{0-4}$alkylC_{3-8}cycloalkyl, $-S(=O)_2$-OH, -CN, $-CF_3$ and $-NO_2$;

and all pharmaceutically acceptable isomers, salts, hydrates, solvates and prodrug derivatives thereof.

2. (Original) A compound of claim 1, wherein:

A is selected from the group consisting of:

$-C_{1-6}$alkyl and $-C_{3-8}$cycloalkyl;

phenyl, which is substituted with 0-2 R^1 groups;

naphthyl, which is substituted with 0-2 R^1 groups; and

a 3-10 membered aromatic or non-aromatic heterocyclic ring system which may be a monocyclic ring system or a fused bicyclic ring system, wherein the heterocyclic ring system contains 1-4 heteroatoms selected from N, O and S and is substituted with 0-2 R^1 groups;

R^1 is independently selected from the group consisting of:

halo, $-C_{1-4}$alkyl, -CN, $-NO_2$, $-(CH_2)_m-N(-R^2,-R^3)$, $-C(=O)-N(-R^2,-R^3)$, $-S(=O)_2-N(-R^2,-R^3)$, $-S(=O)_2-R^2$, $-(CH_2)_m-C(=NR^3)-R^2$, $-(CH_2)_m-C(=NR^2)-N(R^2,R^3)$, $-(CH_2)_m-N(R^2)-C(=NR^2)-N(R^2,R^3)$, $-CF_3$, $-(CH_2)_m-O-R^2$ and a 5-6 membered aromatic heterocyclic ring containing 1-4 heteroatoms selected from N, O and S;

R^2 and R^3 are independently selected from the group consisting of:

-H, $-C_{1-4}$alkyl and $-C_{0-4}$alkyl-(carbocyclic aryl);

m is an integer of 0-2;

Q is selected from the group consisting of:

a direct link, $-C_{1-4}$alkyl, $-C_{2-4}$alkenyl, $-C_{2-4}$alkynyl, -C(=O)-, -C(=NH)-, -C(=NMe)-, $-N(-R^4)-$, $-N(-R^4)-CH_2-$, $-C(=O)-N(-R^4)-$, $-N(-R^4)-C(=O)-$, $-S(=O)_2-$, -O-, $-S(=O)_2-N(-R^4)-$ and $-N(-R^4)-S(=O)_2-$;

R^4 is selected from the group consisting of:

-H, -C_{1-4}alkyl and -C_{0-4}alkyl-(carbocyclic aryl);

D is selected from the group consisting of:

a direct link;

phenyl, which is substituted with 0-2 R^{1a} groups; and

a 5-10 membered aromatic or non-aromatic heterocyclic ring system which may be a monocyclic ring system or a fused bicyclic ring system, wherein the heterocyclic ring system contains 1-4 heteroatoms selected from N, O and S and the ring system is substituted with 0-2 R^{1a} groups;

R^{1a} is independently selected from the group consisting of:

halo, -C_{1-4}alkyl, -CN, -NO_2, -$(CH_2)_n$-N(-R^{2a}, -R^{3a}), -S(=O)$_2$-N(-R^{2a}, -R^{3a}), -S(=O)$_2$-R^{2a}, -CF_3, -$(CH_2)_n$-OR^{2a}, -C(=O)-O-R^{2a}, -C(=O)-N(-R^{2a}, -R^{3a}) and a 5-6 membered aromatic heterocyclic ring containing 1-4 heteroatoms selected from N, O and S;

n is an integer of 0-2;

R^{2a} and R^{3a} are independently selected from the group consisting of:

-H, -C_{1-4}alkyl, and -C_{1-4}alkyl-(carbocyclic aryl);

E is selected from the group consisting of:

a direct link, -$(CH_2)_q$-C(=O)-, -$(CH_2)_q$-N(-R^5)-C(=O)-$(CH_2)_x$-, -$(CH_2)_q$-C(=O)-N(-R^5)-$(CH_2)_x$-, -$(CH_2)_q$-N(-R^5)-$(CH_2)_x$-, -$(CH_2)_q$-N(R^5)CO-N$R^6$$(CH_2)_x$- and -$SO_2$-;

q and x are independently an integer of 0-2;

R^5 and R^6 are independently selected from the group consisting of:

-H, -C_{1-4}alkyl, -C_{0-4}alkyl-(carbocyclic aryl), -C_{0-4}alkyl-(monocyclic heteroaryl), -C_{1-4}alkyl-C(=O)-OH and -C_{1-4}alkyl-C(=O)-O-C_{1-4}alkyl;

G is selected from the group consisting of:

phenyl, which is substituted with 0-2 R^{1b} groups; and

a 5-6 membered aromatic heterocyclic ring containing 1-4 hetero atoms selected from O, S and N, wherein the heterocyclic ring is substituted with 0-2 R^{1b} groups;

R^{1b} is independently selected from the group consisting of:

halo, -C_{1-4}alkyl, -CN, -NO_2, -N(-R^{2b}, -R^{3b}), -C(=O)-N(-R^{2b}, -R^{3b}), -S(=O)$_2$-N(-R^{2b}, -R^{3b}), -S(=O)$_2$-R^{2b}, -CF_3, -O-R^{2b}, -O-CH_2-CH_2-O-R^{2b}, -O-CH_2-C(=O)-O-R^{2b}, -N(-R^{2b})-CH_2-CH_2-O-R^{2b}, -N(-CH_2-CH_2-O-R^{2b})$_2$, -N(-R^{2b})-C(=O)-R^{3b}, -N(-R^{2b})-S(=O)$_2$-R^{3b} and a 5-6 membered heterocyclic ring containing 1-4 heteroatoms selected from N, O and S;

alternatively, when two R^{1b} may be present on adjacent ring atoms of G and combine to form a benzene ring substituted with 0-4 $R^{1b'}$ groups or a 5-6 membered aromatic or non-aromatic heterocyclic ring having 1-3 heteroatoms selected from N, O and S substituted with 0-4 $R^{1b'}$ groups;

in a second alternative, one of the R^{1b} groups of G can cylize with the -N-R^5 group of E to form a 5-7 membered saturated, unsaturated or partially unsaturated heterocyclic ring containing 1-4 heteroatoms selected from N, O and S, which is substituted with 0-4 $R^{1b'}$ groups, wherein two of the $R^{1b'}$ groups attached to the same ring carbon may form a (=O) group;

R^{2b} and R^{3b} are independently selected from the group consisting of:

-H, -C_{1-4}alkyl and -C_{1-4}alkyl-(carbocyclic aryl);

$R^{1b'}$is independently selected from the group consisting of:

halo, -C_{1-4}alkyl, -CN, -NO_2, -N(-$R^{2b'}$, -$R^{3b'}$), -C(=O)-N(-$R^{2b'}$, -$R^{3b'}$), -$S(=O)_2$-N(-$R^{2b'}$, -$R^{3b'}$), -$S(=O)_2$-$R^{2b'}$, -CF_3, -O-$R^{2b'}$, -O-CH_2-CH_2-O-$R^{2b'}$, -O-CH_2-C(=O)-O-$R^{2b'}$, -N(-$R^{2b'}$)-CH_2-CH_2-O-$R^{2b'}$, -N(-CH_2-CH_2-O-$R^{2b'}$)$_2$, -N(-$R^{2b'}$)-C(=O)-$R^{3b'}$, -N(-$R^{2b'}$)-$S(=O)_2$-$R^{3b'}$;

$R^{2b'}$ and $R^{3b'}$ are independently selected from the group consisting of:

-H, -C_{1-4}alkyl and –C_{1-4}alkyl-(carbocyclic aryl);

J is selected from the group consisting of:

a direct link, -$S(=O)_2$-, -C(=O)-, -N(-R^7)-$S(=O)_2$-, -C(=O)-N(-R^7)-$S(=O)_2$-, -C(=O)-N(-R^7)-$(CH_2)_y$-, -$S(=O)_2$-N(-R^7)-, -$(CH_2)_y$- and -N(-R^7)-C(=O)-$(CH_2)_y$-;

y is an integer of 0-2;

R^7 is selected from the group consisting of:

-H, -C_{1-4}alkyl, -C_{2-6}alkenyl, -C_{2-6}alkynyl, -C_{0-4}alkyl-(carbocyclic aryl), -C_{0-4}alkyl-(heterocyclic ring system), -CH_2-C(=O)-O-C_{1-4}alkyl and -CH_2-C(=O)-O-C_{1-4}alkyl-(carbocyclic aryl);

X is selected from the group consisting of:

phenyl, which is substituted with 0-3 R^{1c} groups;

naphthyl, which is substituted with 0-3 R^{1c} groups;

a 6-membered heteroaromatic ring containing from 1-2 nitrogen atoms, wherein the ring is substituted with 0-3 R^{1c} groups; and

a fused heterobicyclic ring system, wherein the ring system contains 1-3 heteroatoms selected from N, O and S and is substituted with 0-3 R^{1c} groups;

R^{1c} is independently selected from the group consisting of:

halo, $-C_{1-4}$alkyl, -CN, $-NO_2$, $-(CH_2)_z-N(-R^{2c}, -R^{3c})$, $-C(=O)-N(-R^{2c}, -R^{3c})$, $-C(=NH)-N(-R^{2c}, -R^{3c})$, $-C(=NMe)-N(-R^{2c}, -R^{3c})$, $-S(=O)_2-N(-R^{2c}, -R^{3c})$, $-S(=O)_2-R^{2c}$, $-S(=O)_2-O^-$, $-CF_3$, $-O-R^{2c}$, $-O-CH_2-CH_2-O-R^{2c}$, $-O-CH_2-C(=O)-O-R^{2c}$, $-N(-R^{2c})-CH_2-CH_2-O-R^{2c}$, $-N(-CH_2-CH_2-O-R^{2c})_2$, $-(CH_2)_z-N(-R^{2c})-C(=O)-R^{3c}$, $-(CH_2)_z-N(-R^{2c})-S(=O)_2-R^{3c}$, and a 5-6 membered heterocyclic ring containing 1-4 heteroatoms selected from N, O and S;

z is an integer of 0-2;

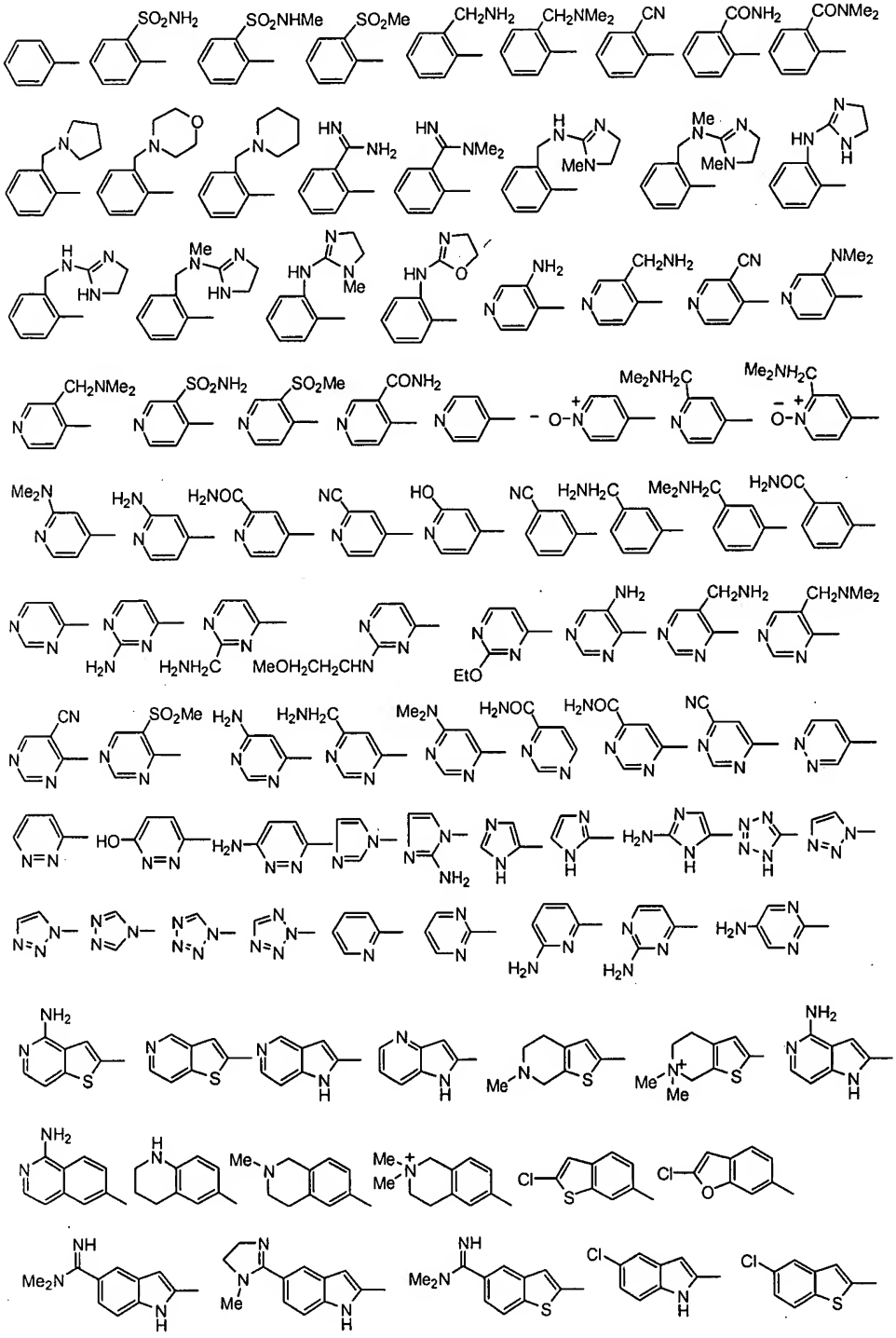
R^{2c} and R^{3c} are independently selected from the group consisting of:

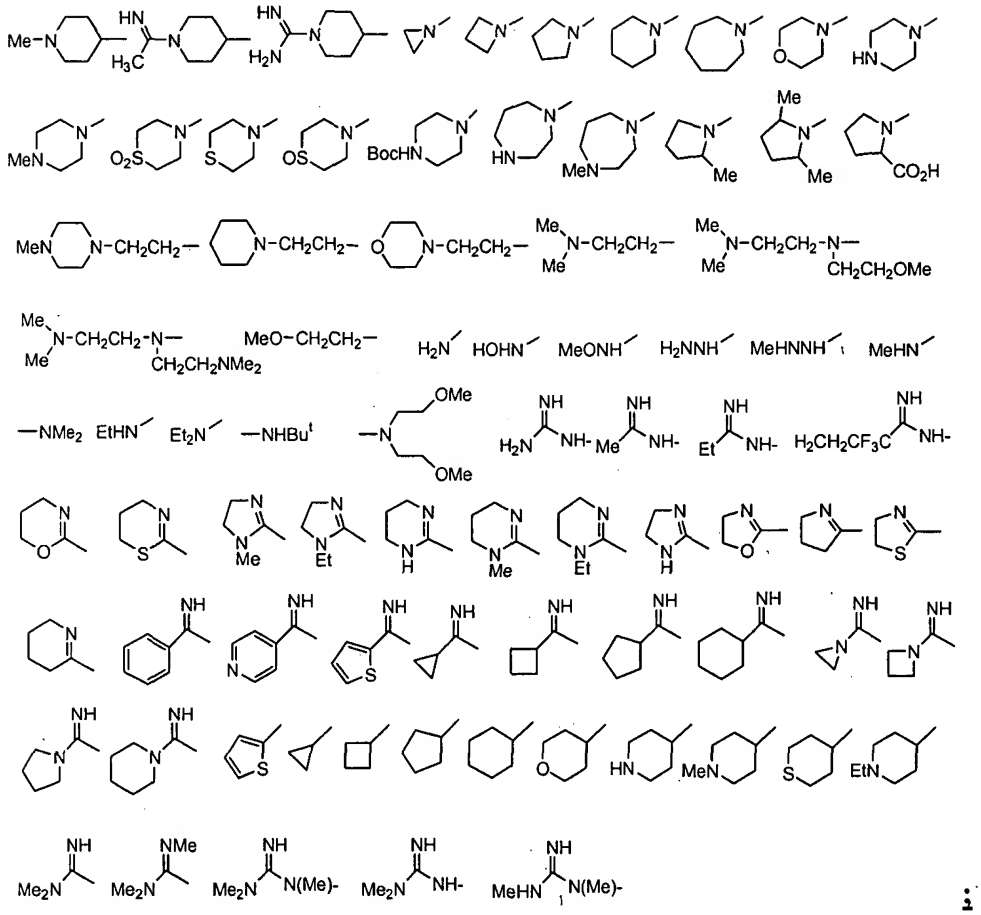
-H, $-C_{1-4}$alkyl and $-C_{1-4}$alkyl-(carbocyclic aryl);

and all pharmaceutically acceptable isomers, salts, hydrates, solvates and prodrug derivatives, thereof.

3. (Currently amended) A compound of claim 1, wherein:

A is selected from the group consisting of:

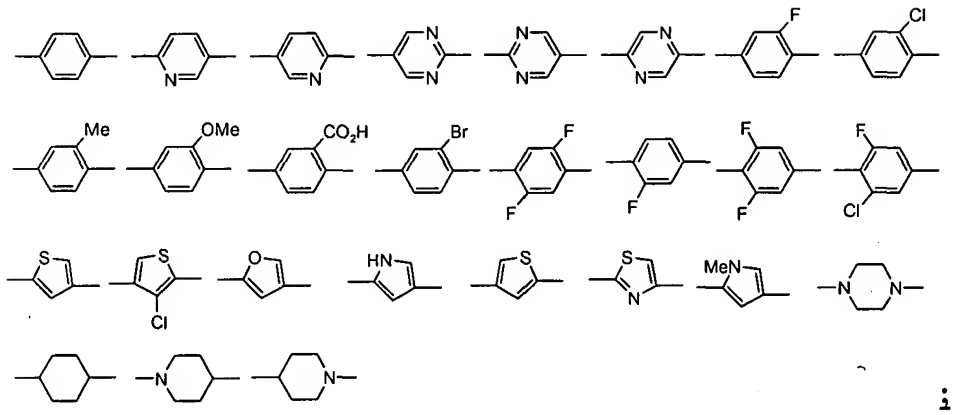




Q is selected from the group consisting of:

a direct link, -C(=NH), -C(=NMe)-, -C(=O)-, -CH_2-, -NH-, -N(-CH_3)-, -O-, -NH-CH_2-, -CH_2-NH-, -N(-CH_3)-CH_2-, and –CH_2-N(-CH_3)-;

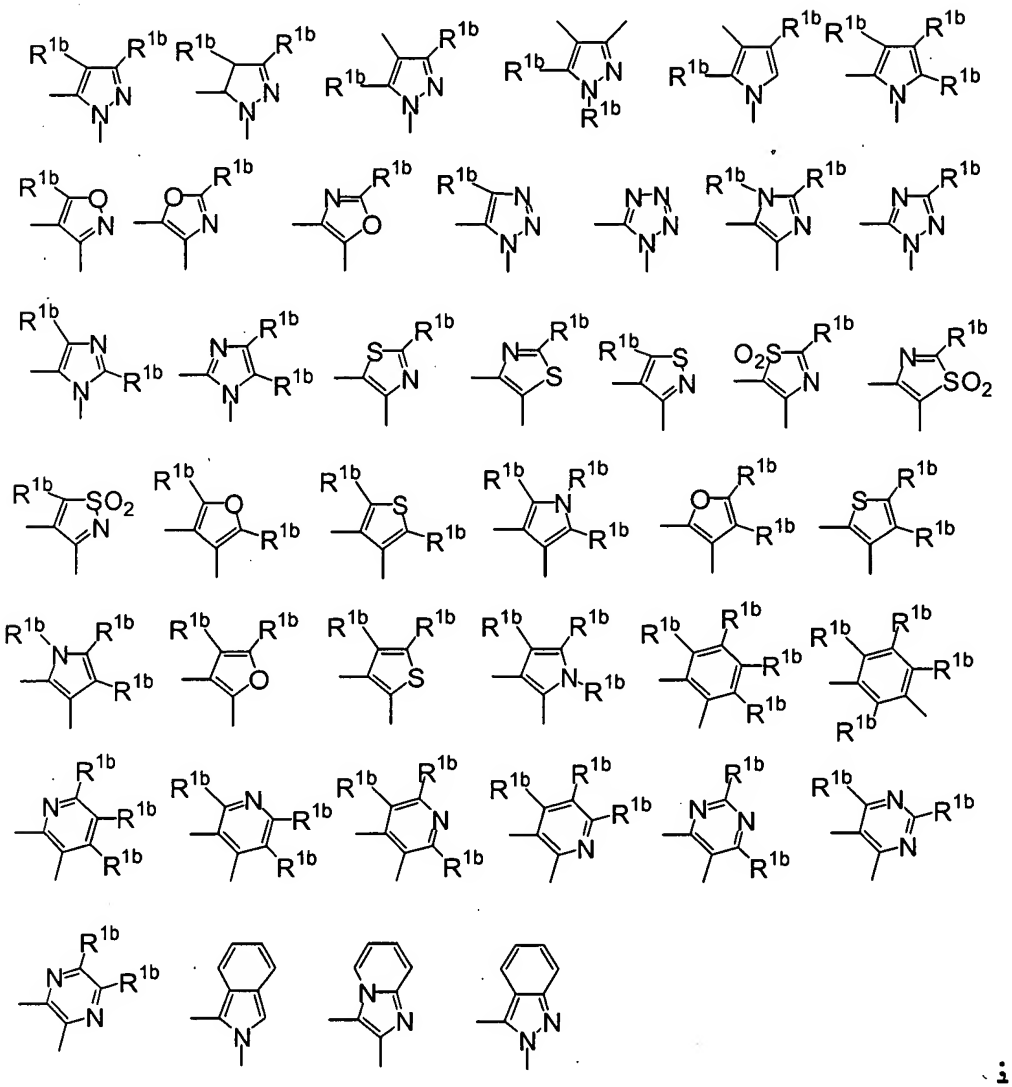
D is selected from the group consisting of:



E is selected from the group consisting of:

a direct link, -NH-C(=O)-, -N(-CH_3)-C(=O)-, -N(-CH_2CO_2H)-C(=O)-, -C(=O)-NH-, -C(=O)-N(-CH_3)-, -NH-CH_2- and –CH_2-NH-;

G is a member selected from the group consisting of:



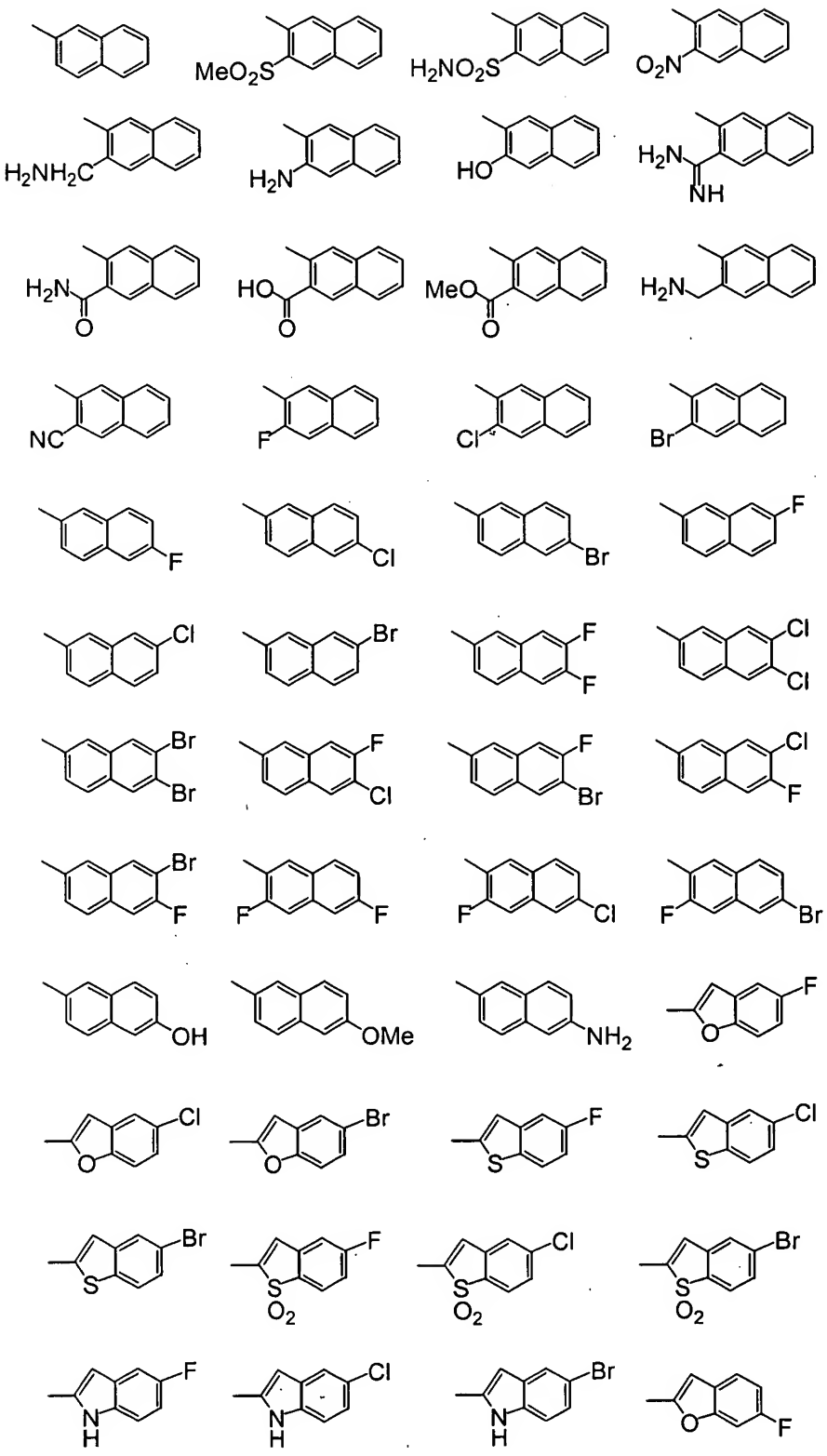
R^{1b} is selected from the group consisting of:

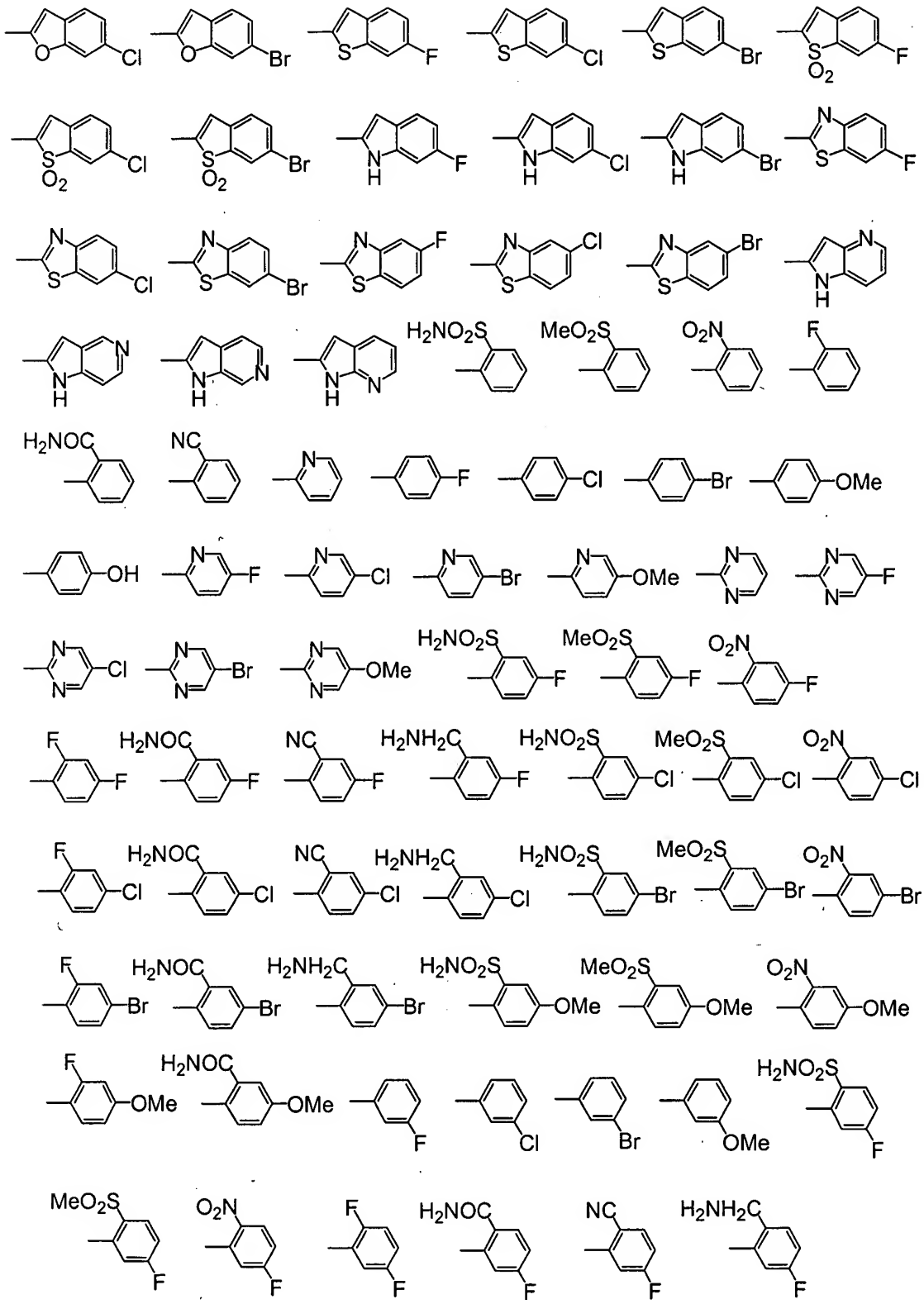
-H, -Me, $-CF_3$, -F, -Cl, -Br, $-SO_2Me$, -CN, $-CONH_2$, $-CONMe_2$, $-NH_2$, $-NO_2$, -NHCOMe, $-NHSO_2Me$, $-CH_2NH_2$ and $-CO_2H$;

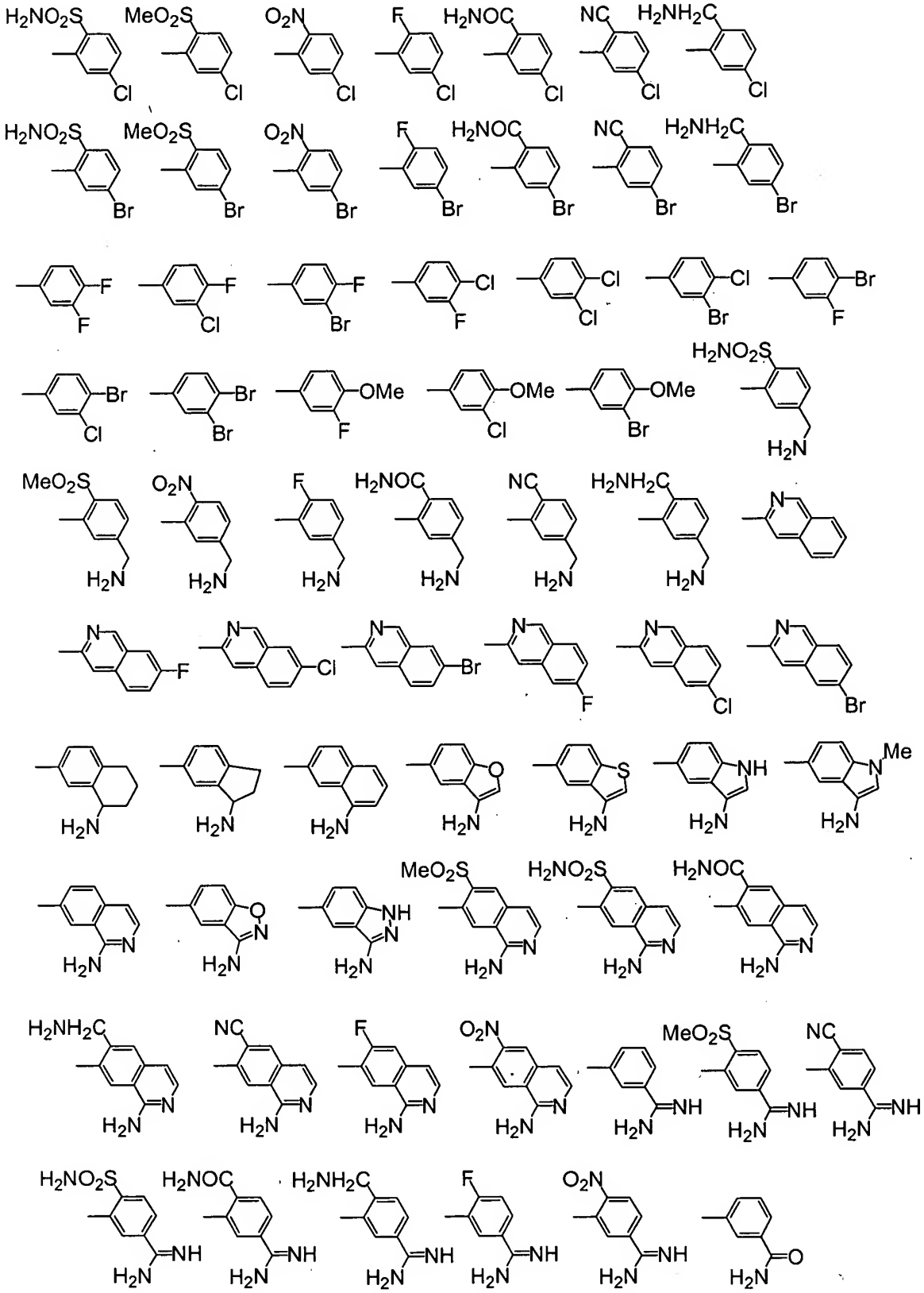
J is selected from the group consisting of:

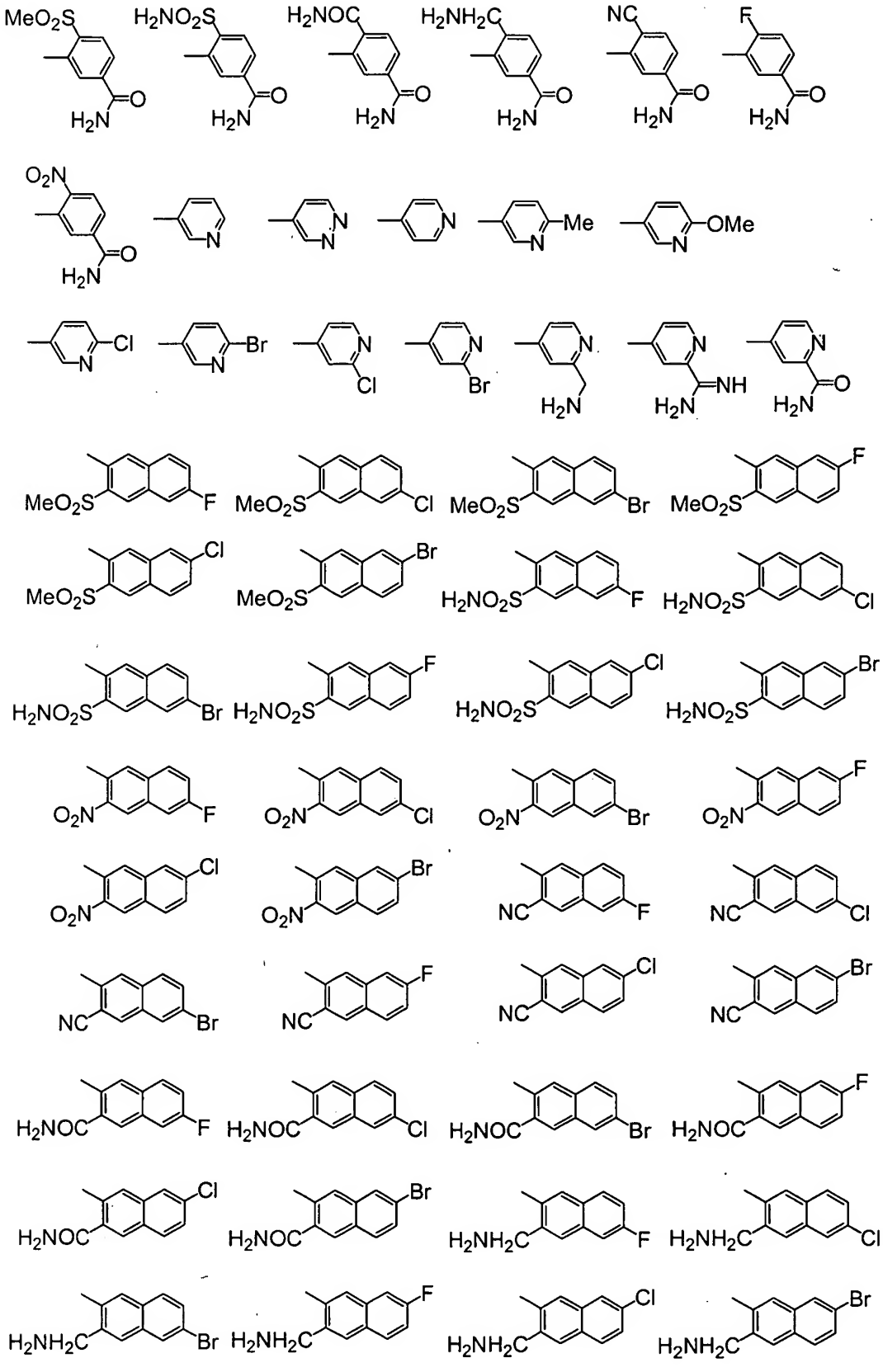
a direct link, -NH-, -O-, $-S(=O)_2-$, $-S(=O)_2-NH$, $-NH-S(=O)_2-$, -C(=O)-, -NH-C(=O)- and -C(=O)-NH-;

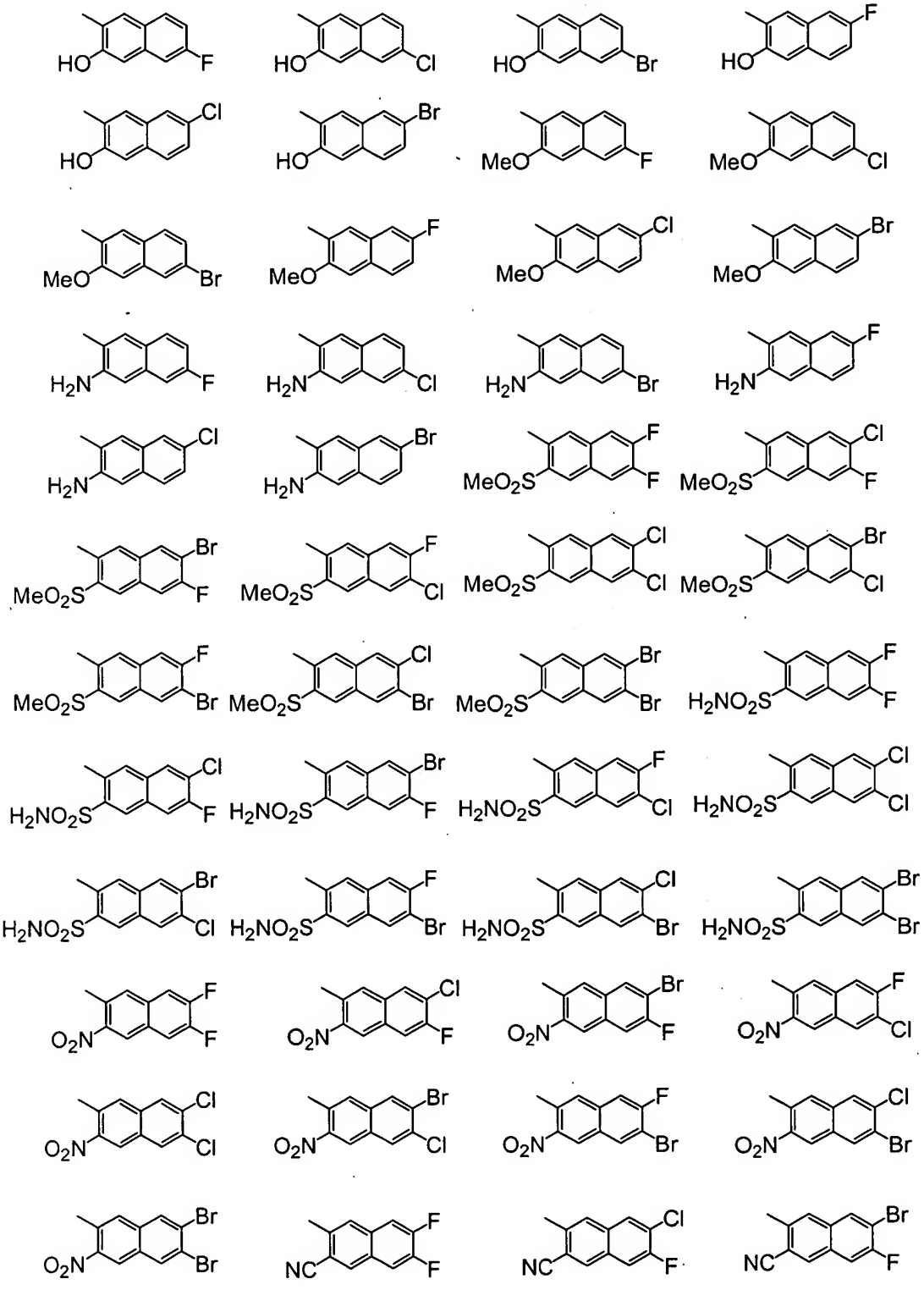
X is selected from the group consisting of:

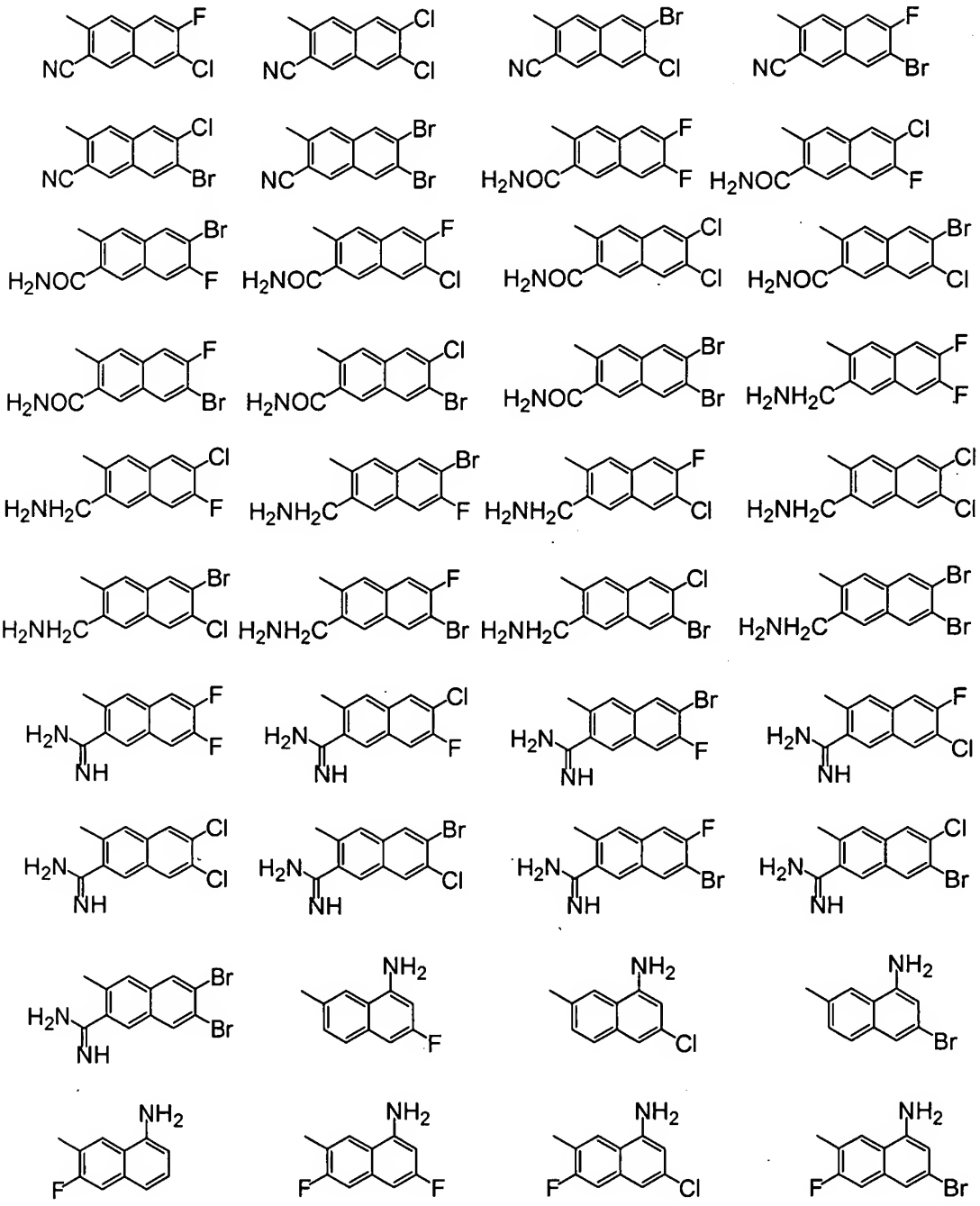

MeO2S
H2NO2S
O2N
H2NH2C
H2N
HO
H2N
NH
H2N
O
HO
O
MeO
O
H2N
NC
F
Cl
Br
F
Cl
Br
F
Cl
Br
Cl
F
F
Cl
Cl
Br
Br
F
Cl
F
Br
Br
F
F
F
Cl
F
Br
OH
OMe
NH2
F
O
Cl
O
Br
O
F
S
Cl
S
Br
S
F
S
O2
Cl
S
O2
Br
S
O2
F
N
H
Cl
N
H
Br
N
H
O
F

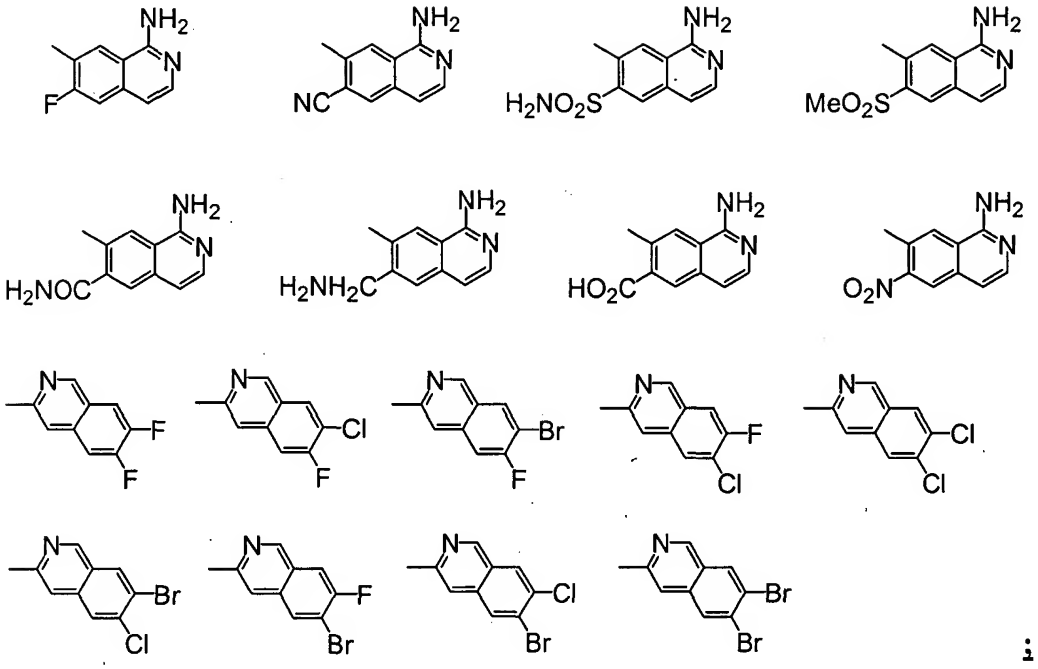







HO F
HO Cl
HO Br
HO F
HO Cl
HO Br
MeO F
MeO Cl
MeO Br
MeO F
MeO Cl
MeO Br
H2N F
H2N Cl
H2N Br
H2N F
H2N Cl
H2N Br
MeO2S F
MeO2S F
MeO2S Br F
MeO2S F Cl
MeO2S Cl Cl
MeO2S Br Cl
MeO2S F Br
MeO2S Cl Br
MeO2S Br Br
H2NO2S F F
H2NO2S Cl F
H2NO2S Br F
H2NO2S F Cl
H2NO2S Cl Cl
H2NO2S Br Cl
H2NO2S F Br
H2NO2S Cl Br
H2NO2S Br Br
O2N F F
O2N Cl F
O2N Br F
O2N F Cl
O2N Cl Cl
O2N Br Cl
O2N F Br
O2N Cl Br
O2N Br Br
NC F F
NC Cl F
NC Br F





and all pharmaceutically acceptable isomers, salts, hydrates, solvates and prodrug derivatives, thereof.

4. (Currently amended) A compound of claim 1, wherein:

A is selected from the group consisting of:

phenyl, which is substituted with 0-2 R^1 groups;

naphthyl, which is substituted with 1 R^1 group; and

a 5-7 membered aromatic or non-aromatic monocyclic heterocyclic ring, wherein the heterocyclic ring contains 1-2 heteroatoms selected from N, O and S and is substituted with 0-1 R^1 groups;

R^1 is selected from the group consisting of:

$-S(=O)_2-N(-R^2, -R^3)$, $-S(=O)_2-R^2$, $-CH_2N(-R^2, -R^3)$, -CN and halo;

R^2 and R^3 are independently selected from the group consisting of:

-H and -C_{1-4}alkyl;

Q is selected from the group consisting of:

a direct link, -C(=NH), -C(=NMe)-, -C(=O)-, -CH_2-, -NH-, and -N(-CH_3)-;

D is selected from the group consisting of:

a direct link;

phenyl, which is substituted with 0-2 R^{1a} groups; and

a 5-6 membered aromatic heterocyclic ring, wherein the heterocyclic ring contains 1-2 heteroatoms selected from N and S and is substituted with 0-1 R^{1a} groups;

R^{1a} is selected from the group consisting of:

-H and halo;

E is selected from the group consisting of:

a direct link, -NH-C(=O)- and –C(=O)-NH-;

G is selected from the group consisting of:

Pyrazole, pyrazoline, triazole and tertrazole, which are substituted with 0-2 R^{1b} groups; and

a 5-membered aromatic heterocyclic ring, wherein the heterocyclic ring contains 2 heteroatoms selected from N, O and S and is substituted with 0-1 R^{1b} groups ~~and~~;

R^{1b} is selected from the group consisting of:

-Me, -Et, $-CF_3$, $-C(=O)-NH_2$, $-NH_2$, -NH-C(=O)-Me, $-NH-S(=O)_2-Me$, -SMe, $-S(=O)_2-Me$ and halo;

alternatively, when two R^{1b} groups may be present on adjacent ring atoms of G and combine to form a benzene ring;

in a second alternative, one of the R^{1b} groups of G can cyclize with the NH group of E to form a 5-6 membered non-aromatic heterocyclic ring containing 1-2 nitrogen atoms and which is substituted with 0-2 C=O groups;

J is selected from the group consisting of:

a direct link, -NH-C(=O)- and –C(=O)-NH-;

X is selected from the group consisting of:

phenyl, which is substituted with 1-3 R^{1c} groups;

naphthyl, which is substituted with 0-3 R^{1c} groups;

pyridinyl, which is substituted with 1-3 R^{1c} groups; and

a 9-10 membered fused bicyclic aromatic ring, wherein the aromatic ring contains 0-2 heteroatoms selected from N and O and is substituted with 0-3 R^{1c} groups;

R^{1c} is independently selected from the group consisting of:

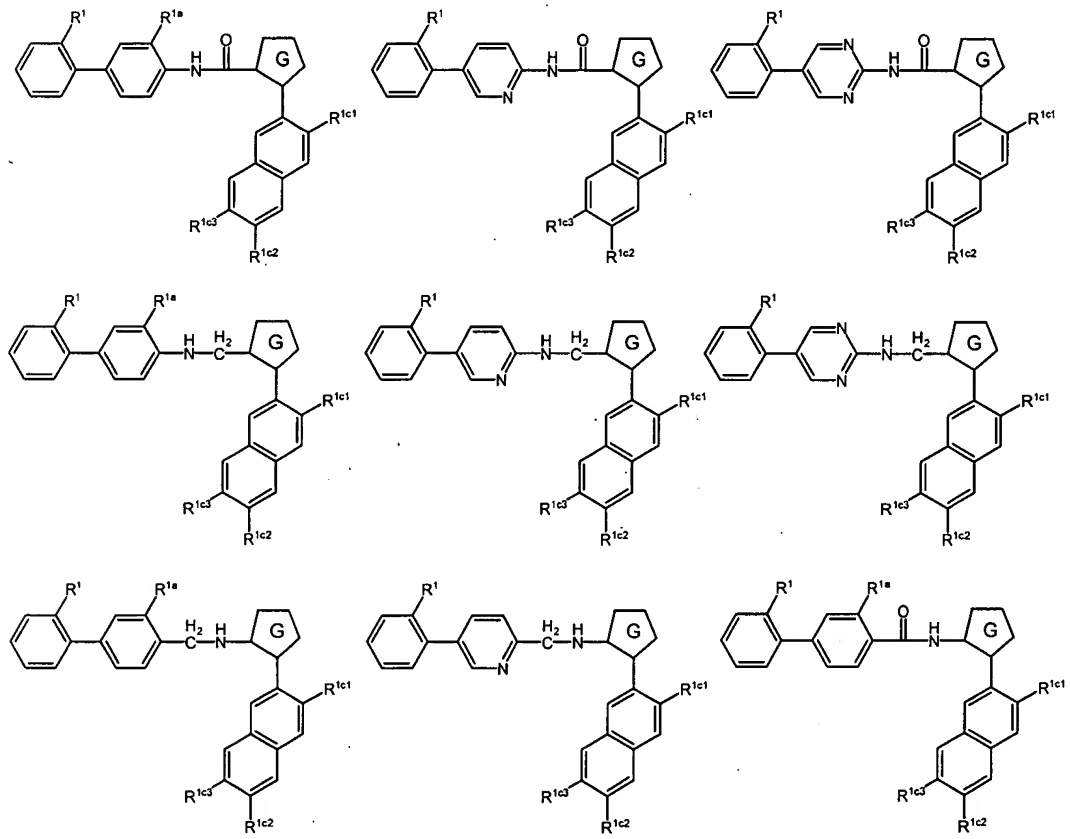
-H, halo, -Me, $-CF_3$, -OH, -OMe, $-NH_2$, -CN, $-NO_2$, $-CH_2-R^{2c}$, $-C(=O)-N(-R^{2c}, -R^{3c})$, $-S(=O)_2-R^{2c}$, $-S(=O)_2-N(-R^{2c}, -R^{3c})$, $-S(=O)_2-OH$, $-C(=NH)-N(-R^{2c}, -R^{3c})$, 2-imidazolin-2-yl and 1-methyl-2-imidazolin-2-yl;

R^{2c} and R^{3c} are independently selected from the group consisting of:

-H, -OH, $-NH_2$ and $-C_{1-4}$alkyl;

and all pharmaceutically acceptable isomers, salts, hydrates, solvates and prodrug derivatives, thereof.

5. (Currently amended) **A compound of claim 1, selected from the group consisting of** ~~**The following compounds are claimed by the present invention**~~:



wherein:

R^1 is selected from the group consisting of:

$-SO_2NH_2$, $-SO_2Me$, $-CH_2NH_2$ and $-CH_2NMe_2$;

R^{1a} is selected from the group consisting of:

-H, -F, -Cl and -Br;

R^{1c1} is selected from the group consisting of:

-H, -F, -Cl, -Br, $-NH_2$, -OH, $-SO_2Me$, $-SO_2Et$, $-SO_2NH_2$, $-NO_2$, $-CH_2NH_2$, -CN, $-CONH_2$, **and** $-CH_2OH$;

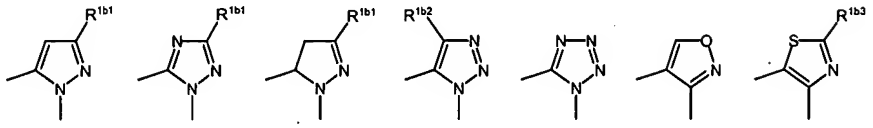
R^{1c2} is selected from the group consisting of:

-H, -F, -Cl and –Br;

R^{1c3} is selected from the group consisting of:

-H, -F, -Cl and –Br;

G is selected from the group consisting of:



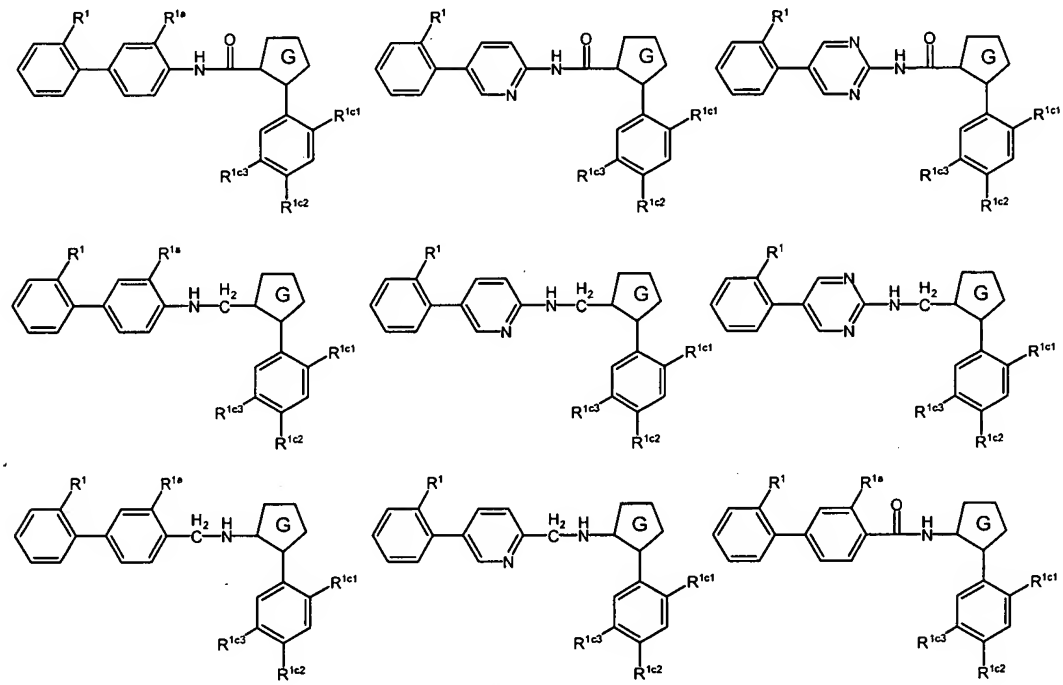
wherein:

R^{1b1} is selected from the group consisting of –H, $-CH_3$ and $-CF_3$;

R^{1b2} is selected from the group consisting of –H, $-CH_3$ and $-CF_3$; **and**

R^{1b3} is selected from the group consisting of –Cl, $-NH_2$, $-CH_3$ and $-CF_3$.

6. (Currently amended) **A compound of claim 1, selected from the group consisting of** ~~**The following compounds are claimed by the present invention**~~:



wherein :

R^1 is selected from the group consisting of:

$-SO_2NH_2$, $-SO_2Me$, $-CH_2NH_2$ and $-CH_2NMe_2$;

R^{1a} is selected from the group consisting of:

-H, -F, -Cl and -Br;

R^{1c1} is selected from the group consisting of:

-H, -F, -Cl, -Br, $-NH_2$, -OH, $-SO_2Me$, $-SO_2Et$, $-SO_2NH_2$, $-NO_2$, $-CH_2NH_2$, -CN, $-CONH_2$, **and** $-CH_2OH$;

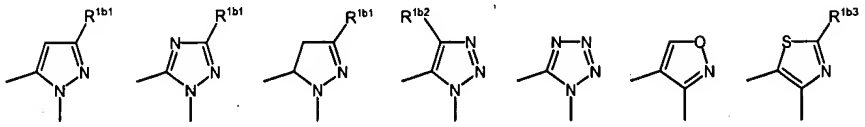
R^{1c2} is selected from the group consisting of:

-H, -F, -Cl, –Br and -OMe;

R^{1c3} is selected from the group consisting of:

-H, -F, -Cl, –Br, $-OCH_3$, $-NH_2$, $-CH_2NH_2$, $-CONH_2$, -CONHMe, **and** $-CONMe_2$

G is selected from the group consisting of:



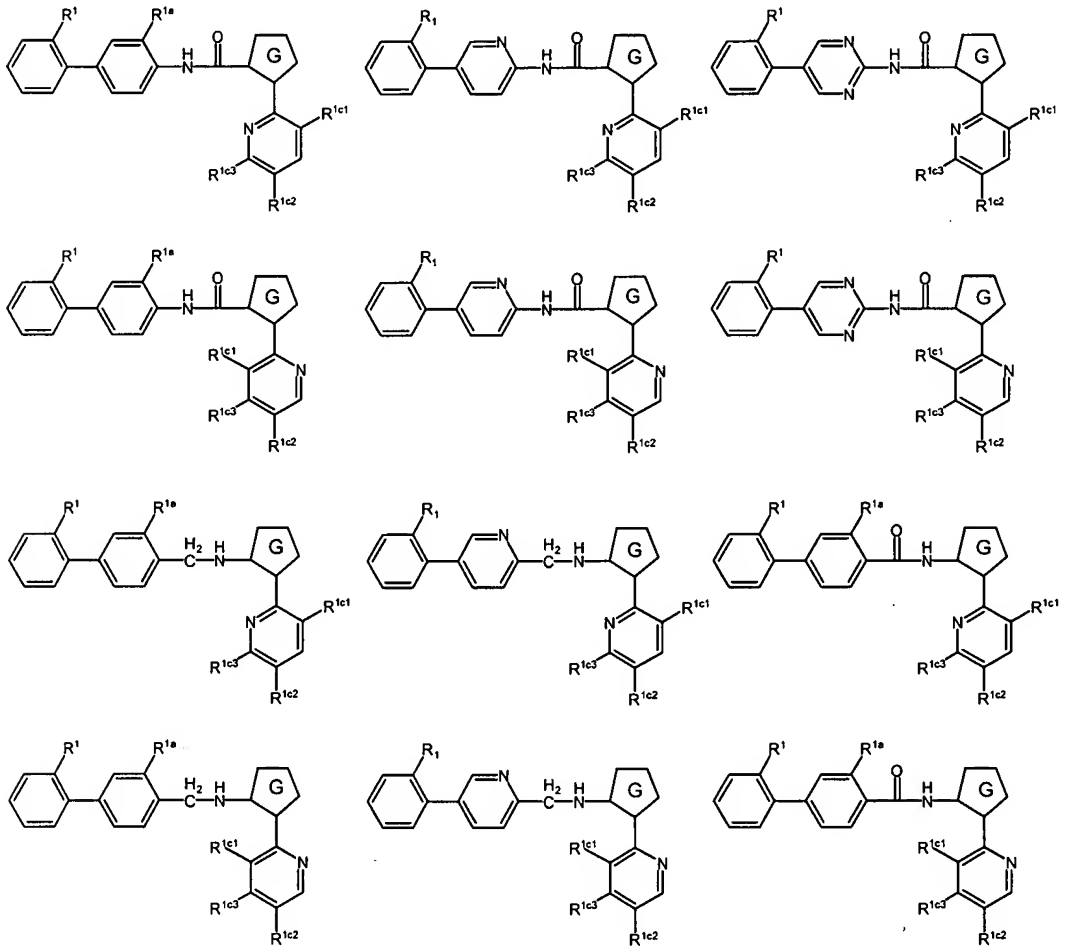
wherein:

R^{1b1} is selected from the group consisting of –H, $-CH_3$ and $-CF_3$;

R^{1b2} is selected from the group consisting of –H, $-CH_3$ and $-CF_3$; **and**

R^{1b3} is selected from the group consisting of –Cl, $-NH_2$, $-CH_3$ and $-CF_3$.

7. (Currently amended) **A compound of claim 1, selected from the group consisting of** ~~**The following compounds are claimed by the present invention**~~:



wherein:

R^1 is selected from the group consisting of:

$-SO_2NH_2$, $-SO_2CH_3$, –CN, $-CONH_2$, $-CONH(CH_3)$, $-CON(CH_3)_2$, $-CH_2NH_2$, $-CH_2NH(CH_3)$, $-CH_2N(CH_3)_2$;

R^{1a} is selected from the group consisting of:

-H, -F, -Cl and -Br;

R^{1c1} is selected from the group consisting of:

–H, –F, -Cl, -Br, -CN, $-CH_2NH_2$, $-CH_2OH$, $-CONH_2$, $-C(=NH)NH_2$, $-CO_2H$, $-CO_2Me$, $-SO_2Me$, $-SO_2NH_2$, -OH, $-NH_2$, and $-NO_2$;

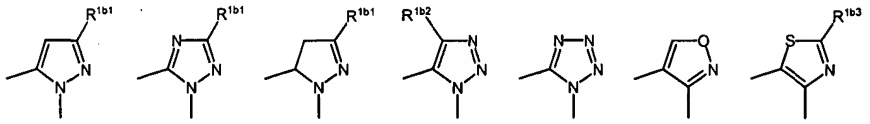
R^{1c2} is selected from the group consisting of:

–H, -F, -Cl, -Br, and $-OCH_3$;

R^{1c3} is selected from the group consisting of:

-H, -F, -Cl, –Br, $-OCH_3$, $-NH_2$, $-CH_2NH_2$, $-CONH_2$, -CONHMe, **and** $-CONMe_2$;

G is selected from the group consisting of:



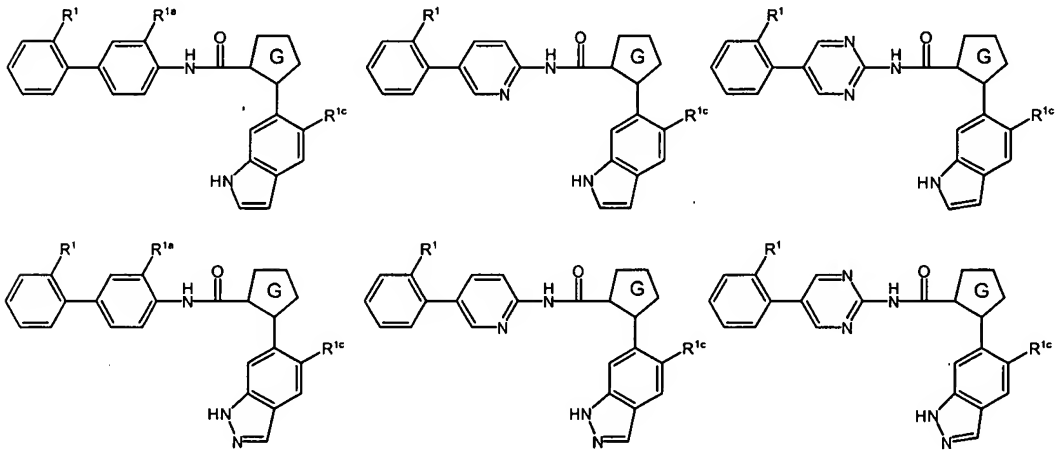
wherein:

R^{1b1} is selected from the group consisting of –H, $-CH_3$ and $-CF_3$;

R^{1b2} is selected from the group consisting of –H, $-CH_3$ and $-CF_3$; **and**

R^{1b3} is selected from the group consisting of –Cl, $-NH_2$, $-CH_3$ and $-CF_3$.

8. (Currently amended) **A compound of claim 1, selected from the group consisting of** ~~**The following compounds are claimed by the present invention**~~:



wherein:

R^1 is selected from the group consisting of:

$-SO_2NH_2$, $-SO_2Me$, $-CH_2NH_2$ and $-CH_2NMe_2$;

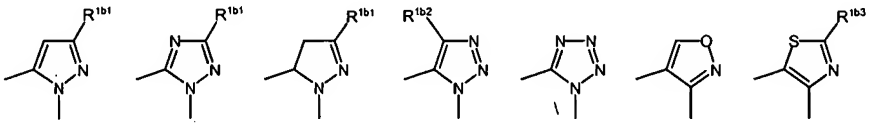
R^{1a} is selected from the group consisting of:

-H, -F, -Cl and -Br;

R^{1c} is selected from the group consisting of:

-H, -F, -Cl, -Br, $-NH_2$, -OH, $-SO_2Me$, $-SO_2Et$, $-SO_2NH_2$, $-NO_2$, $-CH_2NH_2$, -CN, $-CONH_2$, **and** $-CH_2OH$;

G is selected from the group consisting of:



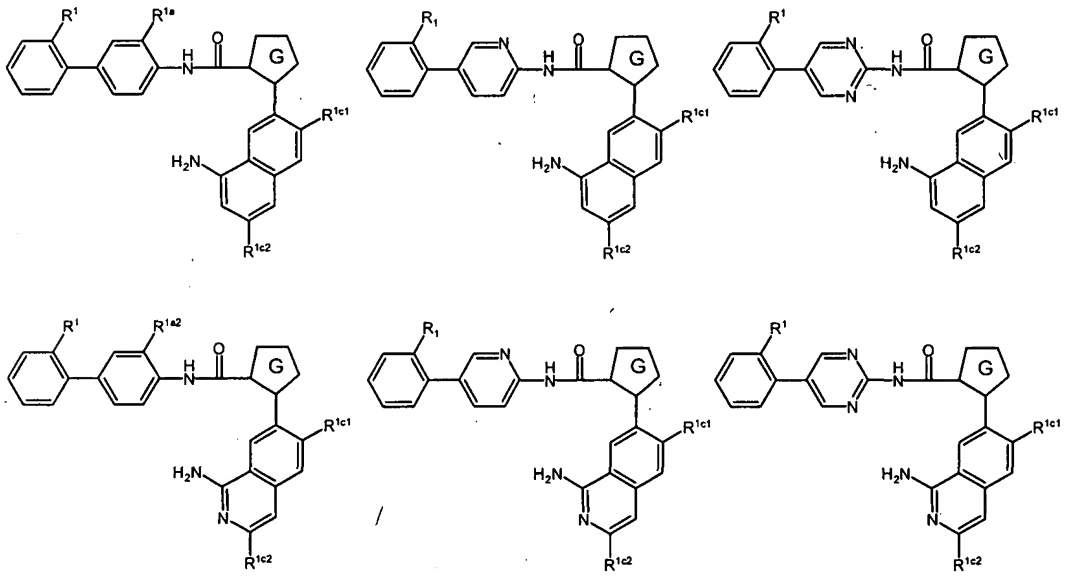
wherein:

R^{1b1} is selected from the group consisting of –H, -CH_3 and –CF_3;

R^{1b2} is selected from the group consisting of –H, -CH_3 and –CF_3; **and**

R^{1b3} is selected from the group consisting of –Cl, -NH_2, -CH_3 and –CF_3.

9. (Currently amended) **A compound of claim 1, selected from the group consisting of** ~~**The following compounds are claimed by the present invention**~~:



wherein:

R^1 is selected from the group consisting of:

-SO_2NH_2, -SO_2Me, -CH_2NH_2 and -CH_2NMe_2;

R^{1a} is selected from the group consisting of:

-H, -F, -Cl and -Br;

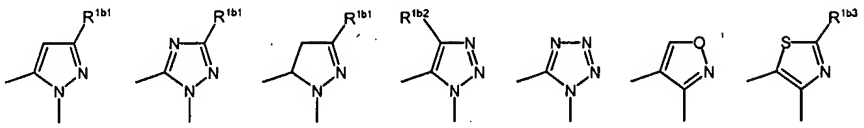
R^{1c1} is selected from the group consisting of:

-H, -F, -Cl, -Br, $-NH_2$, -OH, $-SO_2Me$, $-SO_2Et$, $-SO_2NH_2$, $-NO_2$, $-CH_2NH_2$, -CN, $-CONH_2$, **and** $-CH_2OH$;

R^{1c2} is selected from the group consisting of:

-H, -F, -Cl and –Br;

G is selected from the group consisting of:



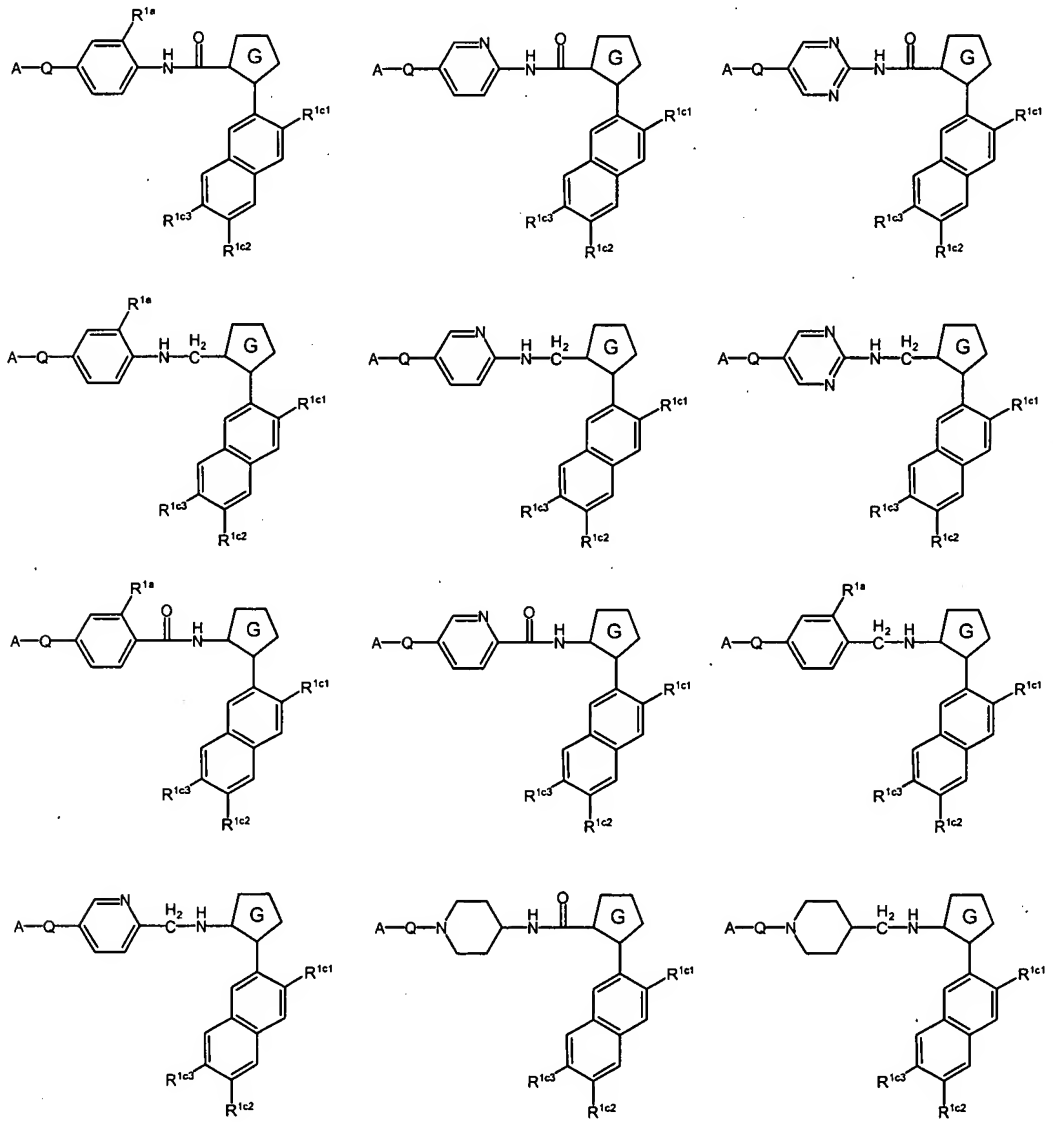
wherein:

R^{1b1} is selected from the group consisting of –H, $-CH_3$ and $-CF_3$;

R^{1b2} is selected from the group consisting of –H, $-CH_3$ and $-CF_3$; **and**

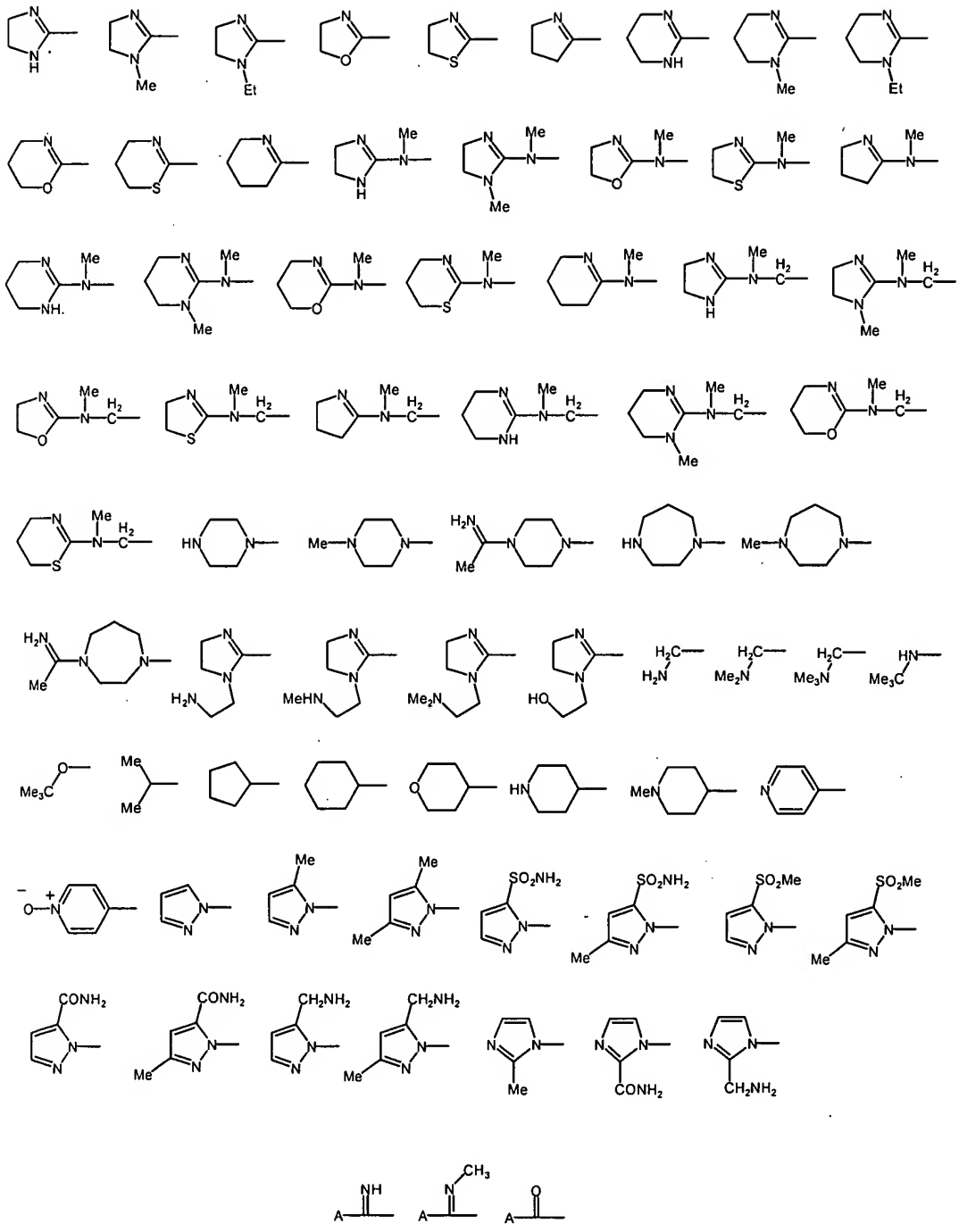
R^{1b3} is selected from the group consisting of –Cl, $-NH_2$, $-CH_3$ and $-CF_3$.

10. (Currently amended) **A compound of claim 1, selected from the group consisting of** ~~**The following compounds are claimed by the present invention**~~:



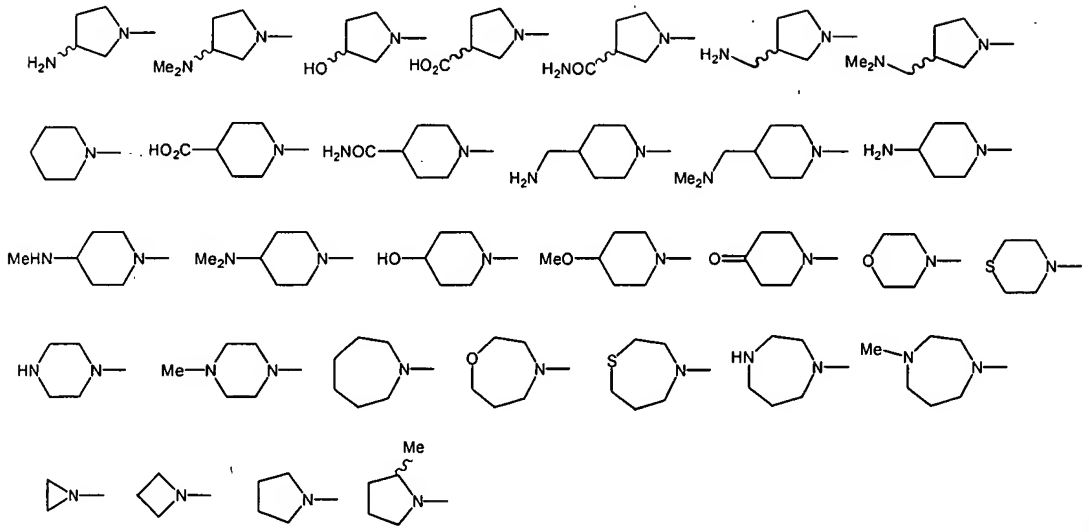
wherein:

A-Q is selected from the group consisting of:



wherein:

A is selected from the group consisting of:



R^{1a} is selected from the group consisting of -H, -F, -Cl and -Br;

R^{1c1} is selected from the group consisting of:

-H, -F, -Cl, -Br, $-NH_2$, -OH, $-SO_2Me$, $-SO_2Et$, $-SO_2NH_2$, $-NO_2$, $-CH_2NH_2$, -CN, $-CONH_2$, **and** $-CH_2OH$;

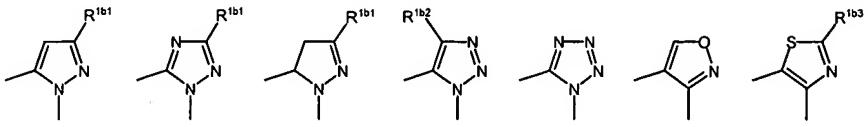
R^{1c2} is selected from the group consisting of:

-H, -F, -Cl and –Br;

R^{1c3} is selected from the group consisting of:

-H, -F, -Cl and –Br;

G is selected from the group consisting of:



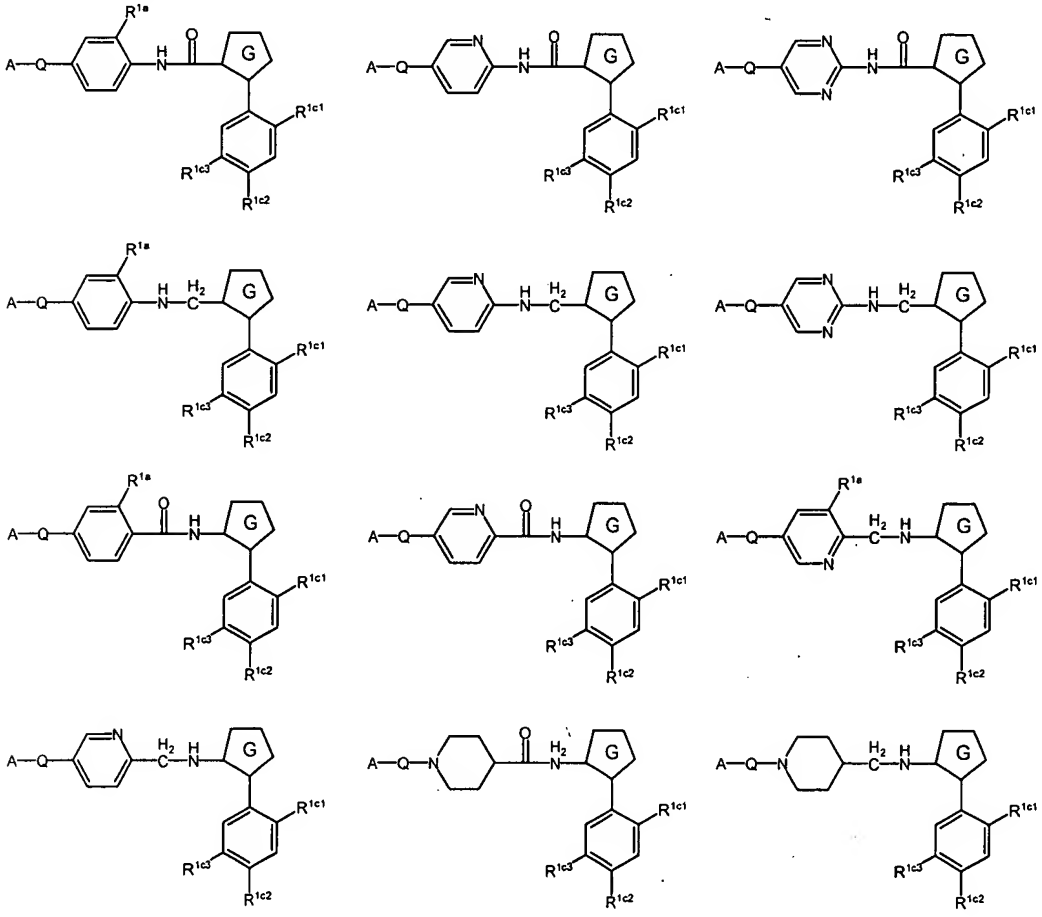
wherein:

R^{1b1} is selected from the group consisting of –H, $-CH_3$ and $-CF_3$;

R^{1b2} is selected from the group consisting of –H, $-CH_3$ and $-CF_3$; **and**

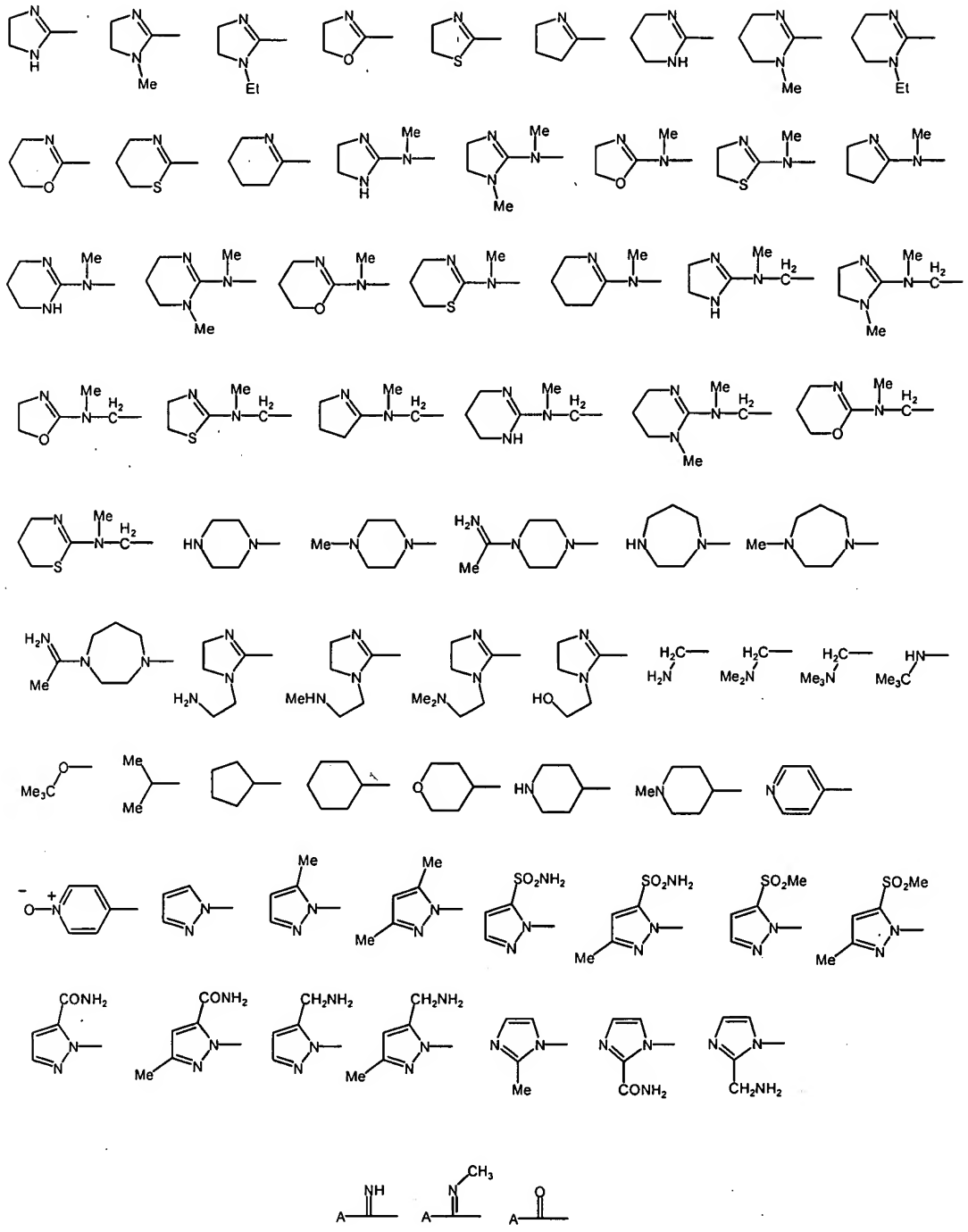
R^{1b3} is selected from the group consisting of –Cl, $-NH_2$, $-CH_3$ and $-CF_3$.

11. (Currently amended) **A compound of claim 1, selected from the group consisting of** ~~**The following compounds are claimed by the present invention**~~:



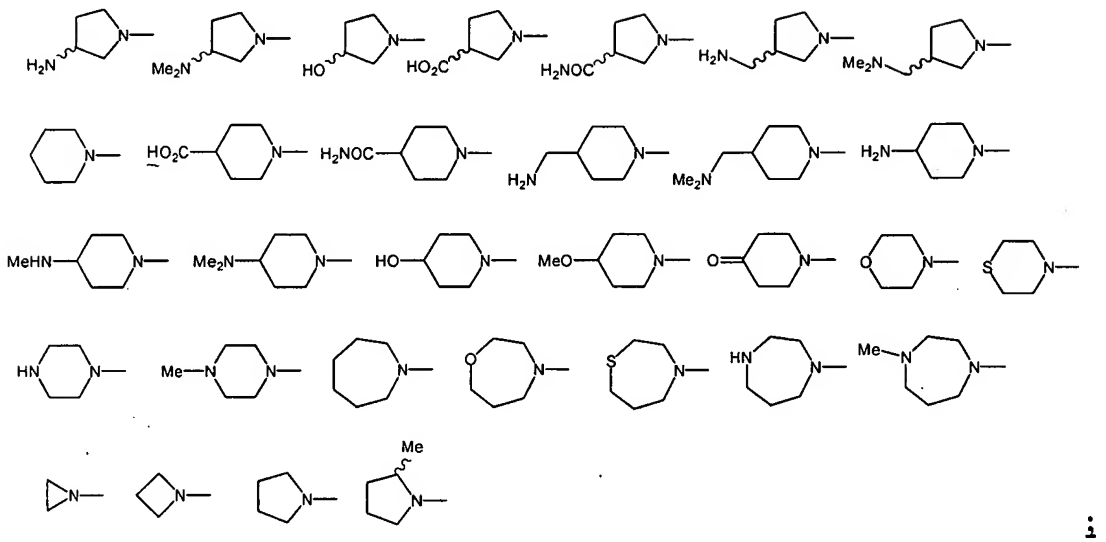
wherein:

A-Q is selected from the group consisting of:



wherein:

A is selected from the group consisting of:



R^{1a} is selected from the group consisting of:

-H, -F, -Cl and -Br;

R^{1b} is selected from the group consisting of:

$-CH_3$, $-CF_3$, $-CH_2CH_3$, $-SO_2Me$, $-CONH_2$ and $-NHSO_2Me$;

R^{1c1} is selected from the group consisting of:

-H, -F, -Cl, -Br, $-NH_2$, -OH, $-SO_2Me$, $-SO_2Et$, $-SO_2NH_2$, $-NO_2$, $-CH_2NH_2$, -CN, $-CONH_2$, **and** $-CH_2OH$;

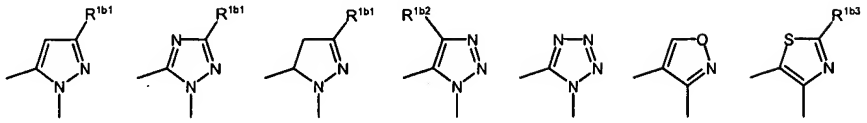
R^{1c2} is selected from the group consisting of:

-H, -F, -Cl, –Br and -OMe;

R^{1c3} is selected from the group consisting of:

–H, -F, -Cl, -Br, -OH, $-OCH_3$, $-NH_2$, $-CONH_2$, **and** $-CH_2NH_2$;

-G is selected from the group consisting of:



wherein:

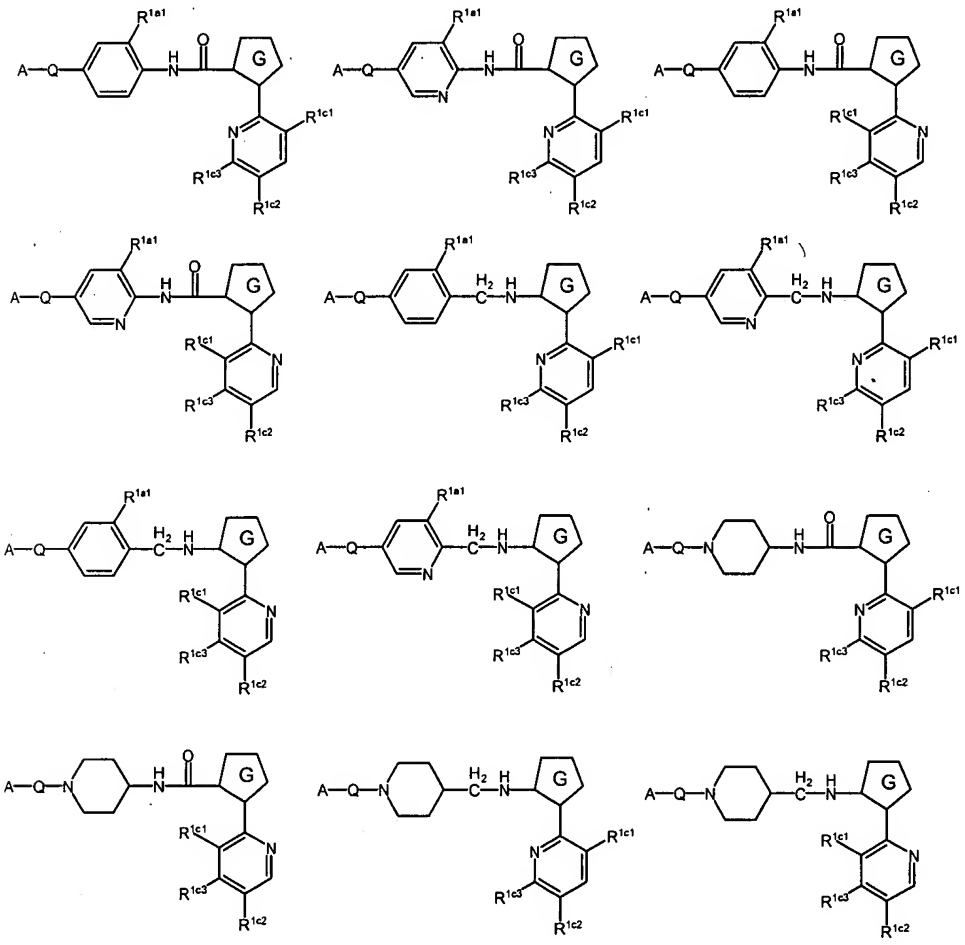
R^{1b1} is selected from the group consisting of –H, $-CH_3$ and $–CF_3$;

R^{1b2} is selected from the group consisting of –H, $-CH_3$ and $–CF_3$; **and**

R^{1b3} is selected from the group consisting of –Cl, $-NH_2$, $-CH_3$ and $–CF_3$.

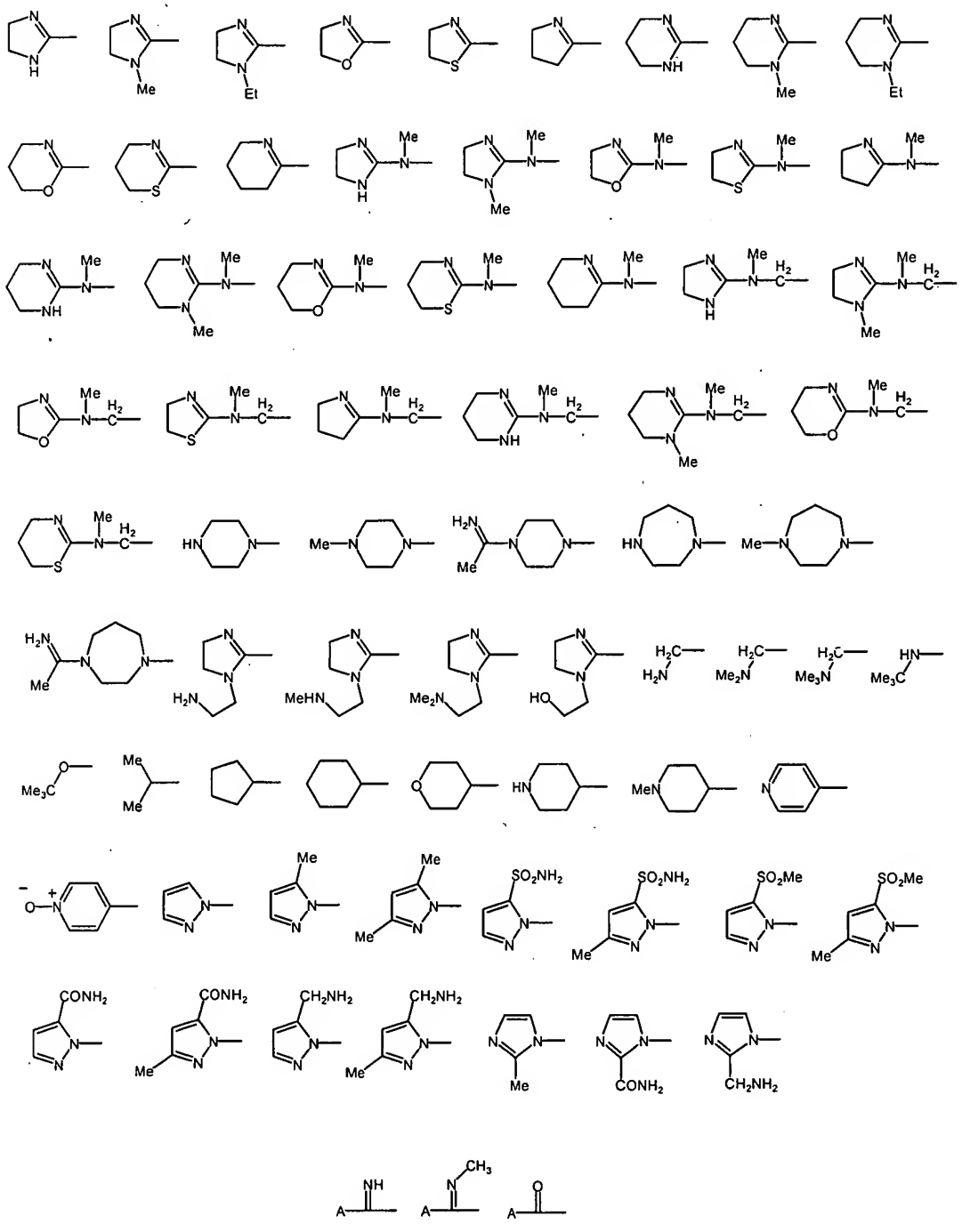
12.-13. (Canceled)

14. (Currently amended) **A compound of claim 1, selected from the group consisting of** ~~**The following compounds are claimed by the present invention**~~:



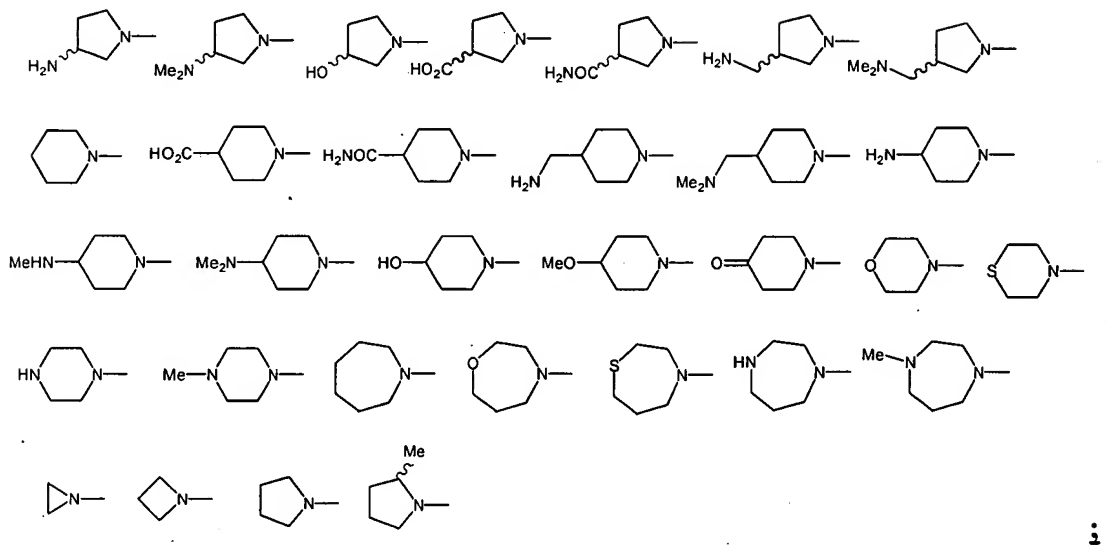
wherein:

A-Q is selected from the group consisting of:



wherein:

A is selected from the group consisting of:



R^{1a} is selected from the group consisting of:

-H, -F, -Cl and -Br;

R^{1c1} is selected from the group consisting of:

–H, –F, -Cl, -Br, -CN, $-CH_2NH_2$, $-CH_2OH$, $-CONH_2$, $-C(=NH)NH_2$, $-CO_2H$, $-CO_2Me$, $-SO_2Me$, $-SO_2NH_2$, -OH, $-NH_2$, and $-NO_2$;

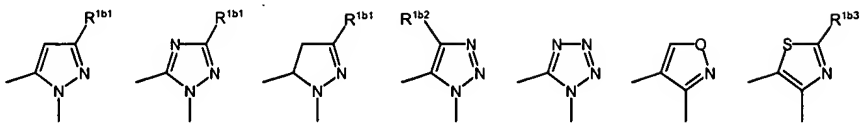
R^{1c2} is selected from the group consisting of:

–H, -F, -Cl, -Br, and $-OCH_3$;

R^{1c3} is selected from the group consisting of:

-H, -F, -Cl, –Br, $-OCH_3$, $-NH_2$, $-CH_2NH_2$, $-CONH_2$, -CONHMe, **and** $-CONMe_2$;

G is selected from the group consisting of:



wherein:

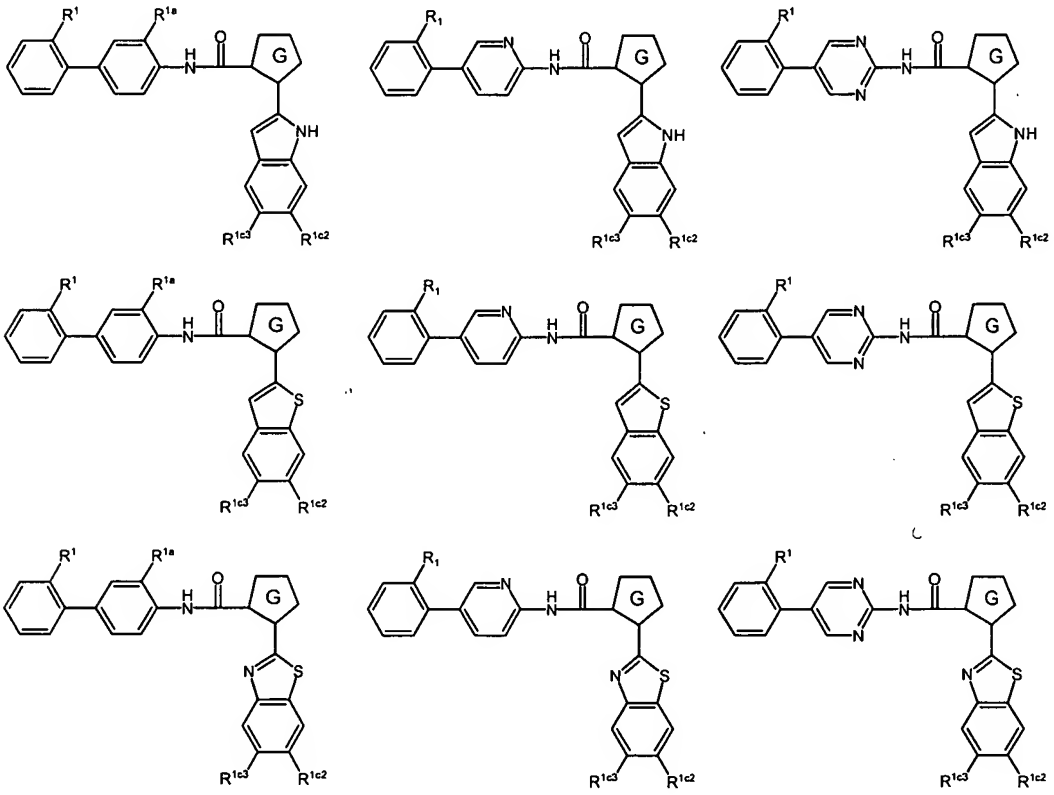
R^{1b1} is selected from the group consisting of –H, $-CH_3$ and $–CF_3$;

R^{1b2} is selected from the group consisting of –H, $-CH_3$ and $–CF_3$; **and**

R^{1b3} is selected from the group consisting of –Cl, $-NH_2$, $-CH_3$ and $–CF_3$.

15.-18. (Canceled)

19. (Currently amended) **A compound of claim 1, selected from the group consisting of** ~~**The following compounds are claimed by the present invention**~~:



wherein:

R^1 is selected from the group consisting of:

$-SO_2NH_2$, $-SO_2Me$, $-CH_2NH_2$ and $-CH_2NMe_2$;

R^{1a} is selected from the group consisting of:

-H, -F, -Cl and -Br;

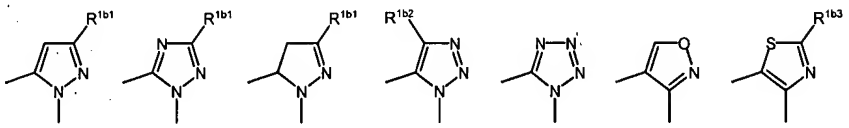
R^{1c1} is selected from the group consisting of:

-H, -F, -Cl, -Br, $-NH_2$, -OH, $-SO_2Me$, $-SO_2Et$, $-SO_2NH_2$, $-NO_2$, $-CH_2NH_2$, -CN, $-CONH_2$, **and** $-CH_2OH$;

R^{1c2} and R^{1c3} are independently selected from the group consisting of:

-H, -F, -Cl and –Br;

G is selected from the group consisting of:



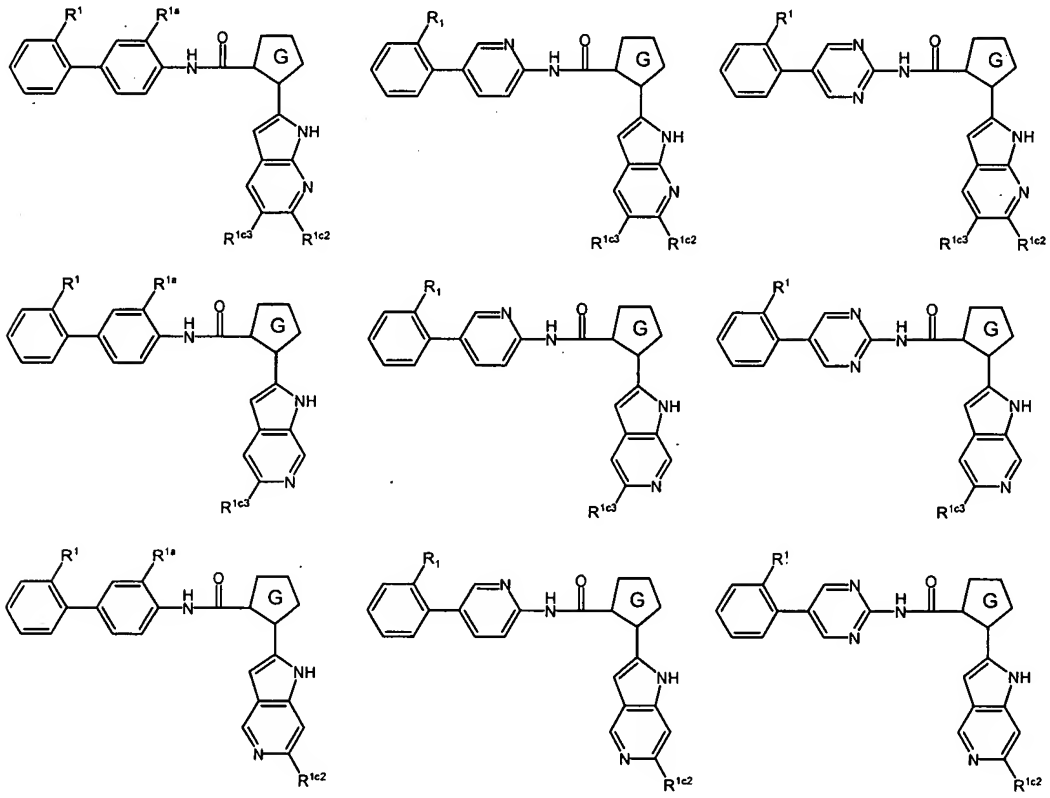
wherein:

R^{1b1} is selected from the group consisting of –H, $-CH_3$ and $-CF_3$;

R^{1b2} is selected from the group consisting of –H, $-CH_3$ and $-CF_3$; **and**

R^{1b3} is selected from the group consisting of –Cl, $-NH_2$, $-CH_3$ and $-CF_3$.

20. (Currently amended) **A compound of claim 1, selected from the group consisting of** ~~**The following compounds are claimed by the present invention**~~:



wherein:

R^1 is selected from the group consisting of:

$-SO_2NH_2$, $-SO_2Me$, $-CH_2NH_2$ and $-CH_2NMe_2$;

R^{1a} is selected from the group consisting of:

-H, -F, -Cl and -Br;

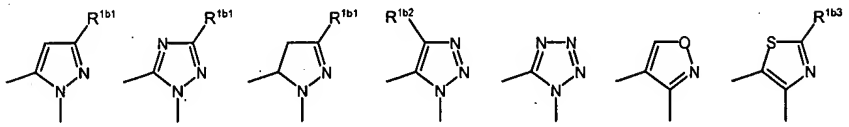
R^{1c1} is selected from the group consisting of:

-H, -F, -Cl, -Br, $-NH_2$, -OH, $-SO_2Me$, $-SO_2Et$, $-SO_2NH_2$, $-NO_2$, $-CH_2NH_2$, -CN, $-CONH_2$, **and** $-CH_2OH$;

R^{1c2} and R^{1c3} are independently selected from the group consisting of:

-H, -F, -Cl and –Br;

G is selected from the group consisting of:



wherein:

R^{1b1} is selected from the group consisting of –H, $-CH_3$ and $-CF_3$;

R^{1b2} is selected from the group consisting of –H, $-CH_3$ and $-CF_3$; **and**

R^{1b3} is selected from the group consisting of –Cl, $-NH_2$, $-CH_3$ and $-CF_3$.

21. (Original) A pharmaceutical composition for preventing or treating a condition in a mammal characterized by undesired thrombosis comprising a pharmaceutically acceptable carrier and a pharmaceutically effective amount of a compound of claim 1.

22. (Original) A method for preventing or treating a condition in a mammal characterized by undesired thrombosis comprising administering to said mammal a therapeutically effective amount of a compound of claim 1.

23. (Currently amended) The method of claim **22** **6**, wherein the condition is selected from the group consisting of:

acute coronary syndrome, myocardial infarction, unstable angina, refractory angina, occlusive coronary thrombus occurring post-thrombolytic therapy or post-coronary angioplasty, a thrombotically mediated cerebrovascular syndrome, embolic stroke, thrombotic stroke, transient ischemic attacks, venous thrombosis, deep venous thrombosis, pulmonary embolus, coagulopathy, disseminated intravascular coagulation, thrombotic thrombocytopenic purpura, thromboangiitis obliterans, thrombotic disease associated with heparin-induced thrombocytopenia, thrombotic complications associated with extracorporeal circulation, thrombotic complications associated with instrumentation, and thrombotic complications associated with the fitting of prosthetic devices.

24. (Original) A method for inhibiting the coagulation of biological samples, comprising the step of administering a compound of claim 1.

25.-36. (Canceled)